Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
NEWS 16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17	Dec 17	TOXCENTER enhanced with additional content
NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADEX enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 20	EVENTLINE will be removed from STN
NEWS 28	Mar 24	PATDPAFULL now available on STN
NEWS 29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 30	Apr 11	Display formats in DGENE enhanced
NEWS 31	Apr 14	MEDLINE Reload
NEWS 32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 33	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 35	Apr 28	RDISCLOSURE now available on STN
NEWS 36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR

NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded
NEWS 38 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39 May 16 CHEMREACT will be removed from STN
NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:11:33 ON 04 JUN 2003

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 12:11:40 ON 04 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 4 Jun 2003 VOL 138 ISS 23
FILE LAST UPDATED: 3 Jun 2003 (20030603/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> supramolecular
7327 SUPRAMOLECULAR

```
            1 SUPRAMOLECULARS
         7327 SUPRAMOLECULAR
                (SUPRAMOLECULAR OR SUPRAMOLECULARS)
        11594 SUPRAMOL
          317 SUPRAMOLS
        11723 SUPRAMOL
                (SUPRAMOL OR SUPRAMOLS)
L1      14020 SUPRAMOLECULAR
                (SUPRAMOLECULAR OR SUPRAMOL)

=> salicyl
L2       1439 SALICYL

=> salicyl?
L3      77758 SALICYL?

=> l1 and l3
L4         60 L1 AND L3

=> ?dioic
L5      23454 ?DIOIC

=> l4 and l5
L6          0 L4 AND L5

=> ?dioate
L7       3722 ?DIOATE

=> l4 and l7
L8          0 L4 AND L7

=> logoff hold
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                  ENTRY     SESSION
FULL ESTIMATED COST                                9.86       10.07

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:13:11 ON 04 JUN 2003

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 12:20:40 ON 04 JUN 2003
FILE 'CAPLUS' ENTERED AT 12:20:40 ON 04 JUN 2003
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                  ENTRY     SESSION
FULL ESTIMATED COST                                9.86       10.07

=> file reg
```

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.86	10.07

FILE 'REGISTRY' ENTERED AT 12:20:47 ON 04 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8
DICTIONARY FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

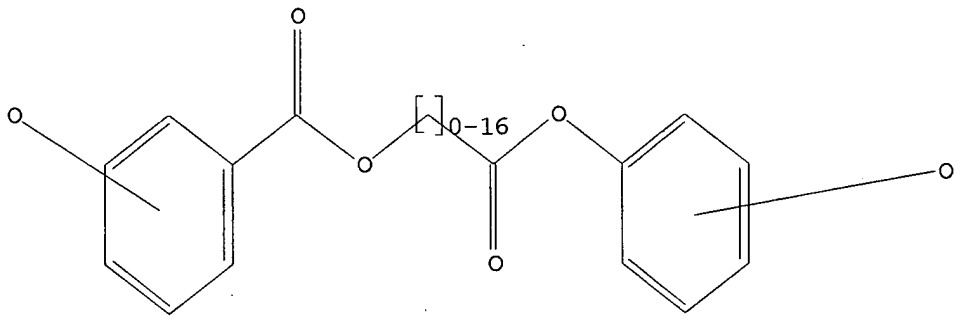
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10031950 generic aryl.str

L9 STRUCTURE UPLOADED

=> d l9
L9 HAS NO ANSWERS
L9 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l9 ssssam
COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID
The query entered contains both search terms created by structure-building or screen commands and text search terms. L#s created via the STRUCTURE or SCREEN commands must be searched in the structures files separately from text terms or profiles. The L# answer sets from structure searches can be used in crossover searches

and can be combined with text terms.

=> search l9 sss sam
SAMPLE SEARCH INITIATED 12:21:22 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2149 TO ITERATE

46.5% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 40200 TO 45760
PROJECTED ANSWERS: 0 TO 0

L10 0 SEA SSS SAM L9

=> search l9 sss full
FULL SEARCH INITIATED 12:21:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 43296 TO ITERATE

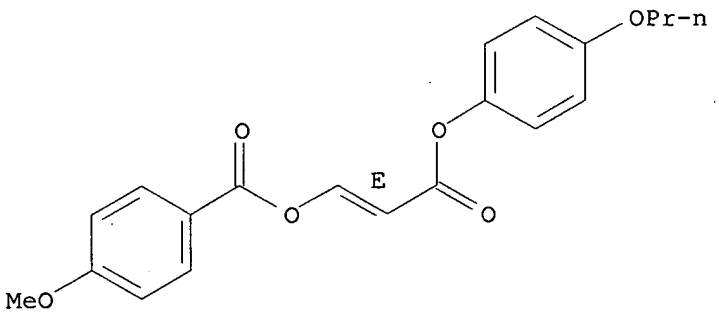
100.0% PROCESSED 43296 ITERATIONS 13 ANSWERS
SEARCH TIME: 00.00.02

L11 13 SEA SSS FUL L9

=> d scan

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-methoxy-, (1E)-3-oxo-3-(4-propoxyphenoxy)-1-propenyl ester
(9CI)
MF C20 H20 O6

Double bond geometry as shown.

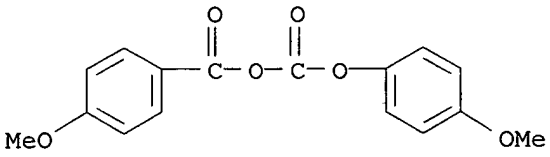


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):13

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-methoxy-, anhydride with 4-methoxyphenyl hydrogen

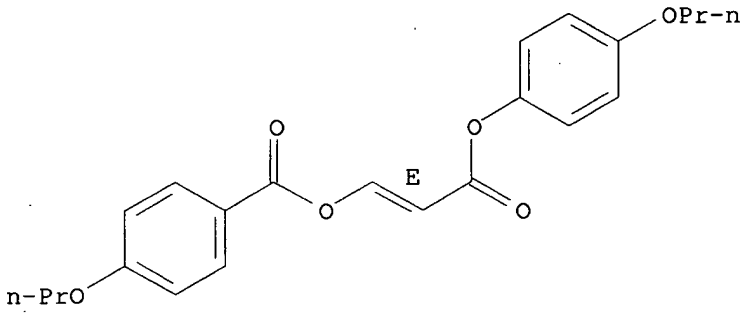
carbonate (9CI)
MF C16 H14 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

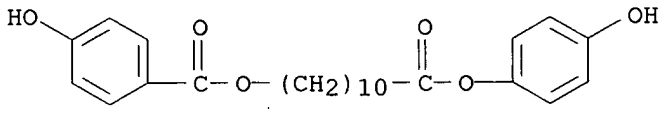
L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-propoxy-, (1E)-3-oxo-3-(4-propoxyphenoxy)-1-propenyl ester
(9CI)
MF C22 H24 O6

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

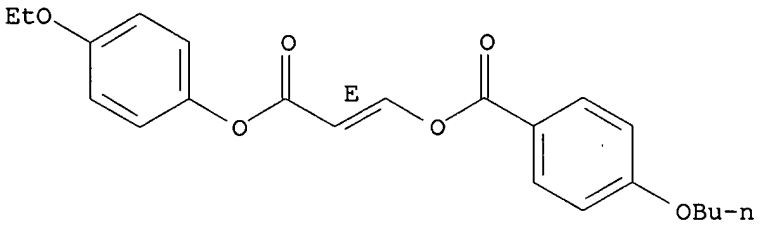
L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-hydroxy-, 11-(4-hydroxyphenoxy)-11-oxoundecyl ester (9CI)
MF C24 H30 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-butoxy-, (1E)-3-(4-ethoxyphenoxy)-3-oxo-1-propenyl ester
(9CI)
MF C22 H24 O6

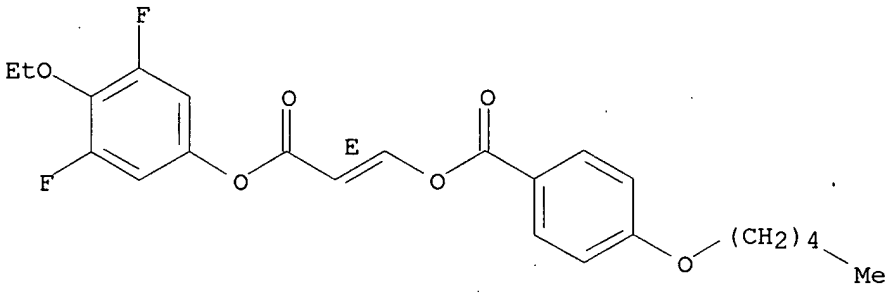
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

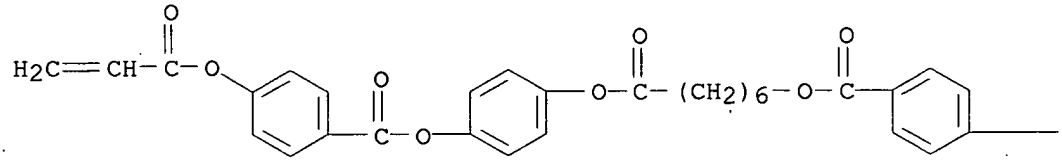
L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-(pentyloxy)-,
(1E)-3-(4-ethoxy-3,5-difluorophenoxy)-3-oxo-
1-propenyl ester (9CI)
MF C23 H24 F2 O6

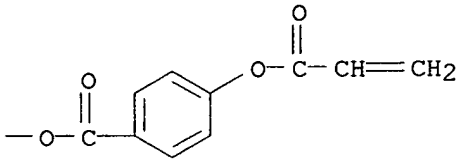
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-[[4-[(1-oxo-2-propenyl)oxy]benzoyl]oxy]-,
7-oxo-7-[4-[[4-[(1-oxo-2-propenyl)oxy]benzoyl]oxy]phenoxy]heptyl ester
(9CI)
MF C40 H34 O12

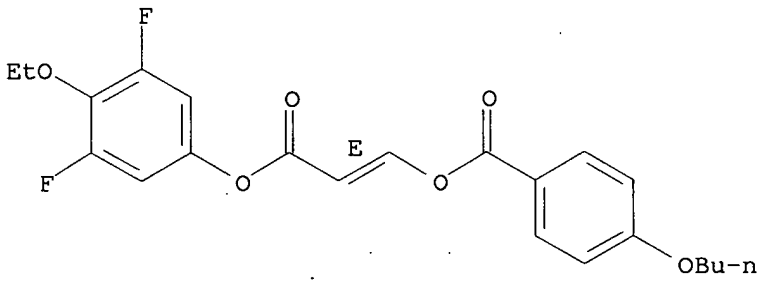




PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

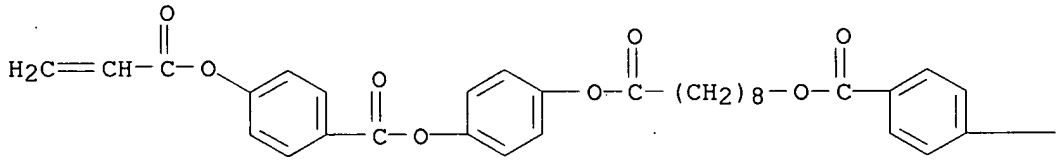
L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-butoxy-, (1E)-3-(4-ethoxy-3,5-difluorophenoxy)-3-oxo-1-propenyl ester (9CI)
MF C22 H22 F2 O6

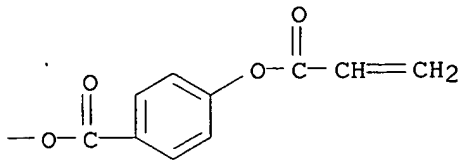
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-[[4-[(1-oxo-2-propenyl)oxy]benzoyl]oxy]-, 9-oxo-9-[4-[[4-[(1-oxo-2-propenyl)oxy]benzoyl]oxy]phenoxy]nonyl ester (9CI)
MF C42 H38 O12

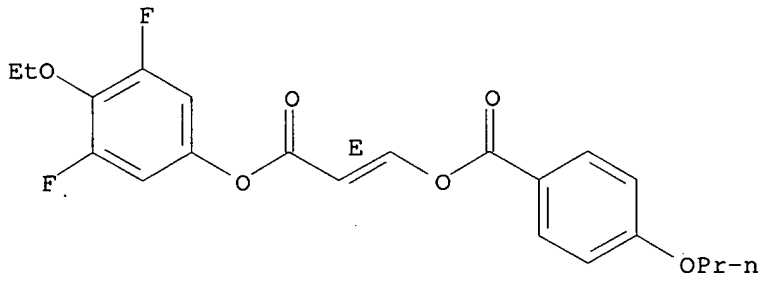




PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-propoxy-, (1E)-3-(4-ethoxy-3,5-difluorophenoxy)-3-oxo-1-propenyl ester (9CI)
MF C21 H20 F2 O6

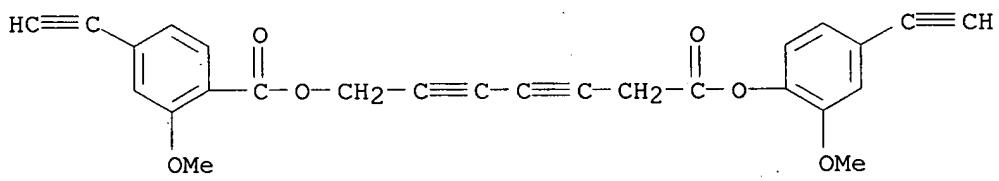
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-ethynyl-2-methoxy-, 7-(4-ethynyl-2-methoxyphenoxy)-7-oxo-2,4-heptadiynyl ester, homopolymer (9CI)
MF (C26 H18 O6)x
CI PMS

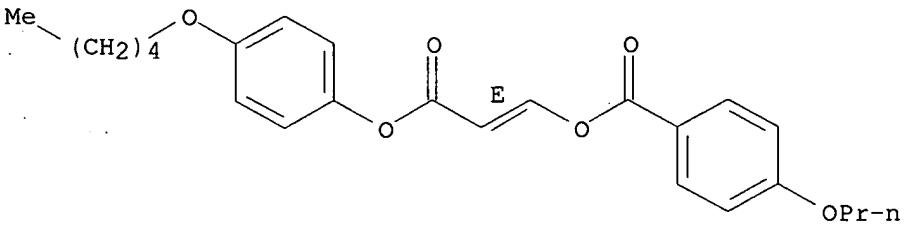
CM 1



L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-propoxy-, (1E)-3-oxo-3-[4-(pentyloxy)phenoxy]-1-propenyl

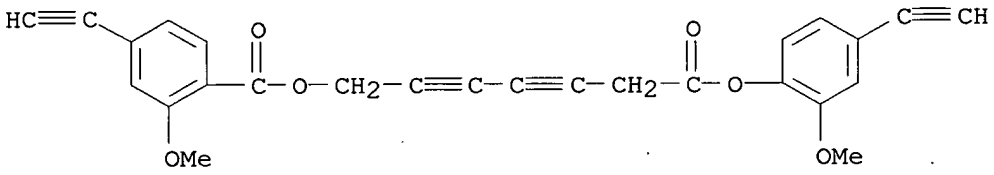
ester (9CI)
MF C24 H28 O6

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L11 13 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Benzoic acid, 4-ethynyl-2-methoxy-, 7-(4-ethynyl-2-methoxyphenoxy)-7-oxo-2,4-heptadiynyl ester (9CI)
MF C26 H18 O6
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	148.95	159.02

FILE 'CAPLUS' ENTERED AT 12:22:49 ON 04 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 4 Jun 2003 VOL 138 ISS 23
FILE LAST UPDATED: 3 Jun 2003 (20030603/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l11
L12 4 L11

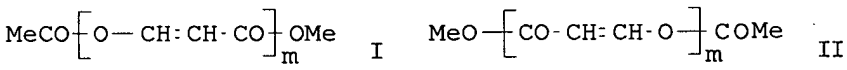
=> save temp l12 genericcmpds/a
ANSWER SET L12 HAS BEEN SAVED AS 'GENERICCMPDS/A'

=> d l12 1-4 ti fbib abs

L12 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS
TI New liquid crystal compound
AN 2000:254137 CAPLUS
DN 132:271780
TI New liquid crystal compound
IN Poetsch, Eike; Binder, Werner; Krause, Joachim; Hirschmann, Harald; Derow,
Stephan
PA Merck Patent Gmbh, Germany
SO Ger. Offen., 28 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19941567	A1	20000420	DE 1999-19941567	19990901
				DE 1998-19840654	19980905

OS MARPAT 132:271780
GI



AB The invention relates to the new liq. crystal compd. contg. a structural element of I or its mirror image II (m = 1, 2, 3). The new liq. crystal compd. can be used as a component of the liq. crystal compn. and for manufg. liq. crystal polymers. The new liq. crystal compd. can be applicable to liq. crystal displays, optical elements, decoration purposes, etc.

L12 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS
TI Polymerizable oligomesogenic compounds
AN 1998:353083 CAPLUS
DN 129:47742
TI Polymerizable oligomesogenic compounds
IN Etzbach, Karl-Heinz; Schuhmacher, Peter; Siemensmeyer, Karl
PA BASF A.-G., Germany

SO Ger. Offen., 12 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 19649056	A1	19980528	DE 1996-19649056	19961127
WO 9823580	A1	19980604	WO 1997-EP6289	19971111
W: AL, AM, AU, AZ, BG, BR, BY, CA, CN, CZ, GE, HU, IL, JP, KG, KR, KZ, LT, LV, MD, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
			DE 1996-19649056A	19961127
AU 9854812	A1	19980622	AU 1998-54812	19971111
			DE 1996-19649056A	19961127
			WO 1997-EP6289 W	19971111
EP 944577	A1	19990929	EP 1997-951170	19971111
R: DE, FR, GB, IT, NL				
			DE 1996-19649056A	19961127
			WO 1997-EP6289 W	19971111
CN 1245484	A	20000223	CN 1997-181557	19971111
			DE 1996-19649056A	19961127
JP 2001505879	T2	20010508	JP 1998-524205	19971111
			DE 1996-19649056A	19961127
			WO 1997-EP6289 W	19971111
KR 2000057240	A	20000915	KR 1999-704610	19990525
			DE 1996-19649056A	19961127
US 6335462	B1	20020101	US 1999-308634	19990527
			DE 1996-19649056A	19961127
			WO 1997-EP6289 W	19971111

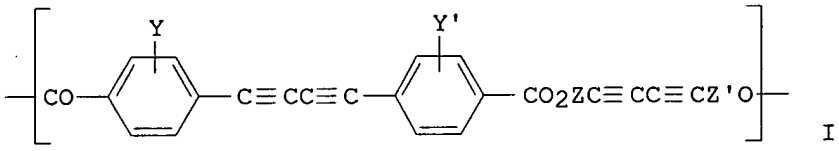
OS MARPAT 129:47742
AB The compds. have the general formula X[Y1A1Y2MY3A2Z]n, where X = a Si-free n-bonded central unit; A1,A2 = single bond or spacer; Y1-3 = single bond, O, S, CO, OCO, COO, OCOO, CON(R), (R)NCO, COS, or SCO; M = mesogenic group; Z = polymerizable group; n = 2-6; R = H or C1-4 alkyl; and MY3A2Z can be a cholesterol residue. The compds. are useful as orientation layers for liq.-crystal materials; photocurable adhesives; monomers for prepn. of liq.-crystal networks; base materials for prepn. of chiral dopable polymerizable liq.-crystal systems; polymerizable matrix monomers for polymer-dispersed displays; base materials for polymerizable liq.-crystal materials for optical devices, e.g. polarizers, cutoff plates, or lenses; or in combination with low-mol.-wt. polymerizable liq.-crystal compds. as film formers.

L12 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS
TI Diacetylenic group-containing polyesters with high strength and elasticity
AN 1989:595637 CAPLUS
DN 111:195637
TI Diacetylenic group-containing polyesters with high strength and elasticity
IN Kato, Jinichiro; Nakamura, Katsuyuki
PA Agency of Industrial Sciences and Technology, Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DT Patent

LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 01074218	A2	19890320	JP 1987-228354	19870914
				JP 1987-228354	19870914

GI



I

AB The title polyesters I (Y, Y' = H, halo, alkoxy, C1-6 org. group; Z, Z' = C1-12 divalent org. group), useful for optical materials and elec. conductors, are prepd. Thus, p-(MeO2C)C6H4C.tplbond.CH (II) in pyridine was treated with O in the presence of CuCl to give [p-(MeO2C)C6H4C.tplbond.C]2, and this compd. was hydrolyzed in aq. MeOH in the presence of KOH at 70.degree. and treated with SOCl2 in the presence of DMF to give [p-(ClCO)C6H4C.tplbond.C]2 (III) in 89% yield (based on II). Heating III and HOCH2C.tplbond.CC.tplbond.CCH2OH in PhNO2 at 100.degree. for 7-8 h and at 150.degree. in vacuo for 2 h gave I (Y = Y' = H; Z = Z' = CH2).

L12 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS
TI Decomposition of bis(p-methoxybenzoyl) peroxide and the carboxy-inversion product on silica
AN 1985:577840 CAPLUS
DN 103:177840
TI Decomposition of bis(p-methoxybenzoyl) peroxide and the carboxy-inversion product on silica
AU Flowers, G. Craig; Leffler, John E.
CS Dep. Chem., Florida State Univ., Tallahassee, FL, 32306, USA
SO Journal of Organic Chemistry (1985), 50(22), 4406-8
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English
OS CASREACT 103:177840
AB p-[p-MeOC6H4C(O)OOC(O)]C6H4OMe (I) adsorbed on silica from nonpolar solvents rearranges to the carboxyinversion product, p-anisoyl p-anisyl carbonate. The half life of the peroxide on silica at room temp. is about 2 min. The carboxyinversion product is isolated, but also decomps. if left on the silica, with a half-life of 20 min. The rearrangement and subsequent decompn. of I enriched with 13C in both C:O groups were followed by magic angle 13CNMR. The ultimate products are p-MeOC6H4CO2H, p-MeOC6H4OH, p-(p-MeOC6H4CO2)C6H4OMe, CO2, and small amts. of bianisyl and dianisyl carbonate. The bianisyl and a minor part of the CO2 and anisic acid are probably formed more directly from ion or radical pair intermediates, bypassing the carboxyinversion compd.

=> d his

```
     (FILE 'HOME' ENTERED AT 12:11:33 ON 04 JUN 2003)

     FILE 'CAPLUS' ENTERED AT 12:11:40 ON 04 JUN 2003
L1         14020 SUPRAMOLECULAR
L2          1439 SALICYL
L3         77758 SALICYL?
L4            60 L1 AND L3
L5         23454 ?DIOIC
L6             0 L4 AND L5
L7          3722 ?DIOATE
L8             0 L4 AND L7

     FILE 'REGISTRY' ENTERED AT 12:20:47 ON 04 JUN 2003
L9                STRUCTURE UPLOADED
L10            0 SEARCH L9 SSS SAM
L11           13 SEARCH L9 SSS FULL

     FILE 'CAPLUS' ENTERED AT 12:22:49 ON 04 JUN 2003
L12            4 L11
                 SAVE TEMP L12 GENERICCMPDS/A

=> polyester
        223756 POLYESTER
        176538 POLYESTERS
L13     277335 POLYESTER
                 (POLYESTER OR POLYESTERS)

=> l3(l)l13
L14         550 L3(L)L13

=> l5 and l14
L15           3 L5 AND L14

=> d l15 1-3 ti

L15  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2003 ACS
TI   Synthesis and degradation characteristics of salicylic acid-derived
     poly(anhydride-esters)

L15  ANSWER 2 OF 3  CAPLUS  COPYRIGHT 2003 ACS
TI   Corrosion-inhibiting gel for electrical connectors

L15  ANSWER 3 OF 3  CAPLUS  COPYRIGHT 2003 ACS
TI   Compositions comprising polyisocyanates and hydroxybenzoic acid-capped
     polymers curable with tertiary amines


=> d l15 1-3 ti fbib abs

L15  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2003 ACS
TI   Synthesis and degradation characteristics of salicylic acid-derived
     poly(anhydride-esters)
AN   2000:488829  CAPLUS
DN   133:300995
TI   Synthesis and degradation characteristics of salicylic acid-derived
     poly(anhydride-esters)
AU   Erdmann, L.; Uhrich, K. E.
CS   610 Taylor Road, Department of Chemistry, Rutgers University, Piscataway,
```

NJ, 08854-8087, USA
SO Biomaterials (2000), 21(19), 1941-1946
CODEN: BIMADU; ISSN: 0142-9612
PB Elsevier Science Ltd.
DT Journal
LA English
AB A biodegradable poly(anhydride-ester) was synthesized by melt condensation polymn. of the acetylated monomer to yield a novel polymeric prodrug. The polymer we have synthesized is composed of alkyl chains linked by ester bonds to arom. moieties, specifically salicylic acid-the active component of aspirin. With the medicinal properties attributed to salicylic acid and the ease of metab., the incorporation of this compd. into a polymer backbone yields a polymeric prodrug that may have potential in a variety of applications (i.e., inflammatory bowel disease). For these reasons, we have designed a synthetic scheme that yields the desired poly(anhydride-ester). The in vitro hydrolytic degrdn. of these polymers has been performed and results indicate that the polymer degrdn. rate is pH-dependent.
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS
TI Corrosion-inhibiting gel for electrical connectors
AN 1975:158621 CAPLUS
DN 82:158621
TI Corrosion-inhibiting gel for electrical connectors
IN Fath, Joseph
PA Tenneco Chemicals, Inc.
SO U.S., 6 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 3833513	A	19740903	US 1972-224308	19720207
				US 1972-224308	19720207

AB A new metal corrosion protection medium for elec. connectors or junction points for outdoor elec. power cables comprises: a base oil formed of a liq. polymeric ester of an alkylene glycol and an aliph. dicarboxylic acid, a gelling agent, and a stabilizer combination including an aromatic amine antioxidant, a hindered phenol antioxidant, a metal corrosion inhibitor, and a rust inhibitor. Thus, a **polyester** base oil was prepd. from 1,2-propylene glycol and adipic acid, capped by isodecanoic acid and mixed in a stabilizer additive mixt. contg.: 1,2-propylene glycol adipate 81, sorbitan monooleate [1338-43-8] 2, 4,4'-methylenebis(2,6-di-tert-butylphenol) [118-82-1] 1, phenothiazine [92-84-2] 1,phenyl-.alpha.-naphthylamine [90-30-2] 0.5, Ortholeum 300 [55128-92-2] (a mixt. of diphenylamine and 1-**salicylalaminoguanidine** monooleate) 1, propyl gallate [121-79-9] 0.5, benzotriazole [95-14-7] 0.5, and DMS [55200-27-6] (1-**salicylalaminoguanidine** monocarboxylate) 0.5 parts by wt. The stabilized oil was heated to 180.degree. F and Li 12-hydroxystearate [7620-77-1] (12 parts by wt.) was added. The mixt. was

blended in a mixer, heated to 380-400.degree.F (m.p. of the soap), and suddenly cooled and gelled by pouring in chilled metal trays.

L15 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS
TI Compositions comprising polyisocyanates and hydroxybenzoic acid-capped polymers curable with tertiary amines
AN 1974:571500 CAPLUS
DN 81:171500
TI Compositions comprising polyisocyanates and hydroxybenzoic acid-capped polymers curable with tertiary amines
IN Taft, David D.; Schmidt, Roger A.
PA Ashland Oil, Inc.
SO U.S., 8 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 3836491	A	19740917	US 1973-328161	19730131
			US 1971-109985	19710126

AB Hydroxyl-terminated **polyesters** were end-capped with hydroxybenzoic acid derivs., i.e. Me **salicylate** (I) [119-36-8] to form coatings curable at room temp. by polyisocyanates. Thus, an adipic acid-trimethylolpropane **polyester** [28301-90-8] was prepd. and end-capped with I. After removal of all MeOH and excess I, the hydroxybenzoate-capped product was mixed with Mondur HC [9081-93-0] to give a product which remained viscosity-stable in N for 24 hr. A film of this material on a glass panel was hard to the touch and could not be rubbed off or smeared 15 sec. after exposure to an atm. saturated with triethylamine vapor; 15 min. later the Sward hardness was 18. A similar film on cold rolled steel had a 3H pencil hardness and passed 3T flexibility test after 2.5 days.

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	23.29	182.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.56	-4.56

FILE 'REGISTRY' ENTERED AT 12:28:08 ON 04 JUN 2003

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8
DICTIONARY FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

```
=> e 2,5-dihydroxybenzoic acid/cn
E1            1     2,5-DIHYDROXYBENZOHYDRAZIDE/CN
E2            1     2,5-DIHYDROXYBENZOHYDROXAMIC ACID/CN
E3            1 --> 2,5-DIHYDROXYBENZOIC ACID/CN
E4            1     2,5-DIHYDROXYBENZOIC ACID 5-.BETA.-D-GLUCOSIDE/CN
E5            1     2,5-DIHYDROXYBENZOIC ACID BUTYL ESTER/CN
E6            1     2,5-DIHYDROXYBENZOIC ACID DIACETATE/CN
E7            1     2,5-DIHYDROXYBENZOIC ACID DIPIVALATE/CN
E8            1     2,5-DIHYDROXYBENZOIC ACID DIPROPIONATE/CN
E9            1     2,5-DIHYDROXYBENZOIC ACID HYDRAZIDE/CN
E10           1     2,5-DIHYDROXYBENZOIC ACID METHYL ESTER/CN
E11           1     2,5-DIHYDROXYBENZOIC ACID RADICAL ANION/CN
E12           1     2,5-DIHYDROXYBENZOIC ACID RADICAL CATION/CN

=> e3
L16           1 "2,5-DIHYDROXYBENZOIC ACID"/CN

=> d l16

L16  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2003 ACS
RN   490-79-9  REGISTRY
CN   Benzoic acid, 2,5-dihydroxy- (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Gentisic acid (8CI)
OTHER NAMES:
CN   2,5-Dihydroxybenzoic acid
CN   2,5-Dioxybenzoic acid
CN   3,6-Dihydroxybenzoic acid
CN   5-Hydroxysalicylic acid
CN   Carboxyhydroquinone
CN   Gensigen
CN   Gensigon
CN   Gentisinic acid
CN   Hydroquinonecarboxylic acid
FS   3D CONCORD
MF   C7 H6 O4
CI   COM
LC   STN Files:   ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*,
BIOBUSINESS,
       BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN,
       CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*,
       DRUGU, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
       MSDS-OHS, NAPRALERT, NIOSHTIC, PROMT, RTECS*, SPECINFO, TOXCENTER,
       ULIDAT, USAN, USPATFULL, VETU
         (*File contains numerically searchable property data)
     Other Sources:   DSL**, EINECS**, TSCA**, WHO
         (**Enter CHEMLIST File for up-to-date regulatory information)
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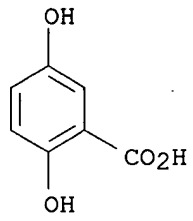

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2422 REFERENCES IN FILE CA (1957 TO DATE)
57 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2429 REFERENCES IN FILE CAPLUS (1957 TO DATE)
12 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

```
=> e 2,3-dihydroxybenzoic acid/cn
E1            1     2,3-DIHYDROXYBENZOHYDROXAMIC ACID/CN
E2            1     2,3-DIHYDROXYBENZOHYDROXIMIC ACID/CN
E3            1 --> 2,3-DIHYDROXYBENZOIC ACID/CN
E4            1     2,3-DIHYDROXYBENZOIC ACID .BETA.-HYDROXYETHYLAMIDE/CN
E5            1     2,3-DIHYDROXYBENZOIC ACID DECARBOXYLASE/CN
E6            1     2,3-DIHYDROXYBENZOIC ACID DIACETATE/CN
E7            1     2,3-DIHYDROXYBENZOIC ACID METHYL ESTER/CN
E8            1     2,3-DIHYDROXYBENZOIC ACID POTASSIUM SALT/CN
E9            1     2,3-DIHYDROXYBENZOIC ACID-FORMALDEHYDE-1-NAPHTHOL
COPOLYMER/
                    CN
E10           1     2,3-DIHYDROXYBENZOIC OXYGENASE/CN
E11           1     2,3-DIHYDROXYBENZONITRILE/CN
E12           1     2,3-DIHYDROXYBENZOPHENONE/CN

=> e3
L17           1 "2,3-DIHYDROXYBENZOIC ACID"/CN

=> d l17

L17  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2003 ACS
RN   303-38-8  REGISTRY
CN   Benzoic acid, 2,3-dihydroxy- (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   o-Pyrocatechuic acid (6CI, 8CI)
OTHER NAMES:
CN   2,3-Dihydroxybenzoic acid
CN   3-Hydroxysalicylic acid
CN   Catecholcarboxylic acid
CN   DHBA
CN   Pyrocatechuic acid
FS   3D CONCORD
MF   C7 H6 O4
CI   COM
LC   STN Files:   AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
       BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST,
       CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT,
       IFIUDB, IPA, MEDLINE, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT,
       RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL
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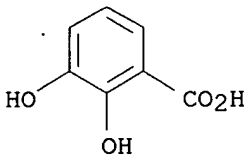
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1034 REFERENCES IN FILE CA (1957 TO DATE)
39 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1038 REFERENCES IN FILE CAPLUS (1957 TO DATE)
56 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	12.60	194.91

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.56

FILE 'CAPLUS' ENTERED AT 12:29:34 ON 04 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 4 Jun 2003 VOL 138 ISS 23
FILE LAST UPDATED: 3 Jun 2003 (20030603/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l16
L18 2435 L16

=> l17
L19 1043 L17

```
=> l18 or l19
L20       3056 L18 OR L19

=> save temp l20 diohacids/a
ANSWER SET L20 HAS BEEN SAVED AS 'DIOHACIDS/A'

=> d his

     (FILE 'HOME' ENTERED AT 12:11:33 ON 04 JUN 2003)

     FILE 'CAPLUS' ENTERED AT 12:11:40 ON 04 JUN 2003
L1         14020 SUPRAMOLECULAR
L2          1439 SALICYL
L3         77758 SALICYL?
L4            60 L1 AND L3
L5         23454 ?DIOIC
L6             0 L4 AND L5
L7          3722 ?DIOATE
L8             0 L4 AND L7

     FILE 'REGISTRY' ENTERED AT 12:20:47 ON 04 JUN 2003
L9                STRUCTURE UPLOADED
L10            0 SEARCH L9 SSS SAM
L11           13 SEARCH L9 SSS FULL

     FILE 'CAPLUS' ENTERED AT 12:22:49 ON 04 JUN 2003
L12            4 L11
                 SAVE TEMP L12 GENERICCMPDS/A
L13       277335 POLYESTER
L14          550 L3(L)L13
L15            3 L5 AND L14

     FILE 'REGISTRY' ENTERED AT 12:28:08 ON 04 JUN 2003
                 E 2,5-DIHYDROXYBENZOIC ACID/CN
L16            1 E3
                 E 2,3-DIHYDROXYBENZOIC ACID/CN
L17            1 E3

     FILE 'CAPLUS' ENTERED AT 12:29:34 ON 04 JUN 2003
L18         2435 L16
L19         1043 L17
L20         3056 L18 OR L19
                 SAVE TEMP L20 DIOHACIDS/A

=> l13 and l20
L21          22 L13 AND L20

=>
Uploading 10031950 dioic acids.str

L22      STRUCTURE UPLOADED

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     2.92     197.83

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
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	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-4.56

FILE 'REGISTRY' ENTERED AT 12:33:37 ON 04 JUN 2003

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8
DICTIONARY FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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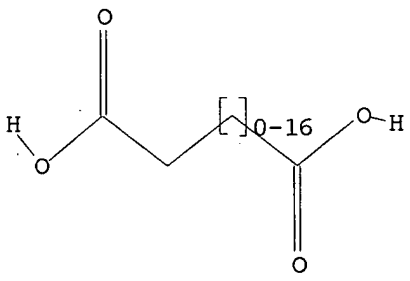
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10031950 dioic acids.str

L23 STRUCTURE UPLOADED

=> d l23
L23 HAS NO ANSWERS
L23 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l23 sss sam
SAMPLE SEARCH INITIATED 12:34:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 21245 TO ITERATE

4.7% PROCESSED 1000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

```
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       416192 TO   433608
PROJECTED ANSWERS:          144801 TO   155177

L24          50 SEA SSS SAM L23

=> search l23 sss full
FULL SEARCH INITIATED 12:34:25 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 423432 TO ITERATE

 94.5% PROCESSED  400000 ITERATIONS                          128497 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.15

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       423432 TO   423432
PROJECTED ANSWERS:          134920 TO   137128

L25      128497 SEA SSS FUL L23

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                   148.55     346.38

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -4.56

FILE 'CAPLUS' ENTERED AT 12:34:46 ON 04 JUN 2003
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FILE COVERS 1907 - 4 Jun 2003  VOL 138 ISS 23
FILE LAST UPDATED: 3 Jun 2003  (20030603/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> l25
L26      91631 L25

=> save temp l26 dioicacids/a
ANSWER SET L26 HAS BEEN SAVED AS 'DIOICACIDS/A'
```

```
=> d his

     (FILE 'HOME' ENTERED AT 12:11:33 ON 04 JUN 2003)

     FILE 'CAPLUS' ENTERED AT 12:11:40 ON 04 JUN 2003
L1         14020 SUPRAMOLECULAR
L2          1439 SALICYL
L3         77758 SALICYL?
L4            60 L1 AND L3
L5         23454 ?DIOIC
L6             0 L4 AND L5
L7          3722 ?DIOATE
L8             0 L4 AND L7

     FILE 'REGISTRY' ENTERED AT 12:20:47 ON 04 JUN 2003
L9                STRUCTURE UPLOADED
L10            0 SEARCH L9 SSS SAM
L11           13 SEARCH L9 SSS FULL

     FILE 'CAPLUS' ENTERED AT 12:22:49 ON 04 JUN 2003
L12            4 L11
                 SAVE TEMP L12 GENERICCMPDS/A
L13       277335 POLYESTER
L14          550 L3(L)L13
L15            3 L5 AND L14

     FILE 'REGISTRY' ENTERED AT 12:28:08 ON 04 JUN 2003
                 E 2,5-DIHYDROXYBENZOIC ACID/CN
L16            1 E3
                 E 2,3-DIHYDROXYBENZOIC ACID/CN
L17            1 E3

     FILE 'CAPLUS' ENTERED AT 12:29:34 ON 04 JUN 2003
L18         2435 L16
L19         1043 L17
L20         3056 L18 OR L19
                 SAVE TEMP L20 DIOHACIDS/A
L21           22 L13 AND L20
L22              STRUCTURE UPLOADED

     FILE 'REGISTRY' ENTERED AT 12:33:37 ON 04 JUN 2003
L23              STRUCTURE UPLOADED
L24           50 SEARCH L23 SSS SAM
L25       128497 SEARCH L23 SSS FULL

     FILE 'CAPLUS' ENTERED AT 12:34:46 ON 04 JUN 2003
L26        91631 L25
                 SAVE TEMP L26 DIOICACIDS/A

=> l20 and l26
L27           66 L20 AND L26

=> l20(l)l26
L28            0 L20(L)L26

=> d l27 44-66 ti

L27  ANSWER 44 OF 66  CAPLUS  COPYRIGHT 2003 ACS
TI   Initial reactions of xanthone biodegradation by an Arthrobacter sp
```

L27 ANSWER 45 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Technetium-99m composition for labeling proteinaceous material

L27 ANSWER 46 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Glutathione-independent isomerization of maleylpyruvate by Bacillus megaterium and other Gram-positive bacteria

L27 ANSWER 47 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Identification of metabolites diagnostic for organic acidurias by simultaneous dual-column capillary gas chromatography

L27 ANSWER 48 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Lyophilized radiographic imaging kit

L27 ANSWER 49 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Radiodiagnostic imaging agents

L27 ANSWER 50 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI The metabolism of 3-cyclohexenecarboxylic acid by Alcaligenes faecalis

L27 ANSWER 51 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Benzylidene camphors and cosmetic compositions containing them

L27 ANSWER 52 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Separation of plant polyphenolics by chromatography on a boronate resin

L27 ANSWER 53 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Investigation of the oxidative browning of white wine. 1. HPLC separation of preparatively obtained wine phenols

L27 ANSWER 54 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Degradation of coniferyl alcohol and other lignin-related aromatic compounds by Nocardia sp. DSM 1069

L27 ANSWER 55 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Benzylidene camphors

L27 ANSWER 56 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Iron acquisition by Neisseria meningitidis in vitro

L27 ANSWER 57 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Catabolism of gentisic acid by two strains of Bacillus stearothermophilus

L27 ANSWER 58 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Catabolism of 2-hydroxybenzoate by Bacillus species

L27 ANSWER 59 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI The identification of aliphatic acids by thermal reaction analysis

L27 ANSWER 60 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Benzylidenecamphor compounds useful in cosmetic compositions

L27 ANSWER 61 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Formation and reactivity of the amino radical

L27 ANSWER 62 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Vincamine and apovincamine derivatives

L27 ANSWER 63 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI New mode of ring cleavage of 2,3-dihydroxybenzoic acid in Tecoma stans. Partial purification and properties of 2,3-dihydroxybenzoate 2,3-oxygenase

L27 ANSWER 64 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Purification and properties of gentisate 1,2-dioxygenase from Moraxella osloensis

L27 ANSWER 65 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Stable vitamins- and antibiotics-containing preparations for poultry and cattle breeding

L27 ANSWER 66 OF 66 CAPLUS COPYRIGHT 2003 ACS
TI Isolation of fumarylpyruvic acid as an intermediate product of the oxidation of gentisic acid by Pseudomonas ovalis

=> l13 and l27
L29 2 L13 AND L27

=> d l29 1-2 ti

L29 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
TI Therapeutic **polyesters** and polyamides

L29 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
TI Ink-jet transparency

=> d l29 ti fbib abs

L29 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
TI Therapeutic **polyesters** and polyamides
AN 2002:107167 CAPLUS
DN 136:156464
TI Therapeutic **polyesters** and polyamides
IN Uhrich, Kathryn E.
PA Rutgers, the State University of New Jersey, USA
SO PCT Int. Appl., 51 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002009768	A2	20020207	WO 2001-US23747	20010727
	WO 2002009768	A3	20021107		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2000-220707PP 20000727
US 2001-261337PP 20010112

US 2002071822 A1 20020613 US 2001-917194 20010727
US 2000-220707PP 20000727
US 2001-261337PP 20010112
EP 1309354 A2 20030514 EP 2001-956013 20010727
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
US 2000-220707PP 20000727
US 2001-261337PP 20010112
WO 2001-US23747W 20010727

AB Polymers (i.e. **polyesters**, polyamides, and polythioesters or a mixt. thereof) which degrade hydrolytically into biol. active compds. are provided. Methods of producing these polymers, intermediates useful for prepg. these polymers, and methods of using these polymers to deliver biol. active compds. to a host are also provided. The biol. active compd.
is a non-steroidal anti-inflammatory drug, antibacterial, antifungal, anticancer, antithrombotic, immunosuppressant, or analgesic. For example,
morphine was copolymd. with a diacid chloride to provide a **polyester**.

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
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FILE 'CAPLUS' ENTERED AT 13:10:56 ON 04 JUN 2003

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-5.21

=> d l29 1 it

L29 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS
IT Polymers, biological studies
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(conjugates with drugs; prepn. of drug-contg. polyamides, **polyesters** and polythioesters as prodrugs)
IT Polymer degradation
(hydrolytic; prepn. of drug-contg. polyamides, **polyesters** and polythioesters as prodrugs)
IT Anti-inflammatory agents
(nonsteroidal; prepn. of drug-contg. polyamides, **polyesters** and polythioesters as prodrugs)
IT Analgesics
Antibacterial agents
Anticoagulants
Antitumor agents
Fungicides
Immunosuppressants
(prepn. of drug-contg. polyamides, **polyesters** and polythioesters as prodrugs)
IT Drug delivery systems
(prodrugs; prepn. of drug-contg. polyamides, **polyesters** and polythioesters as prodrugs)
IT 51-61-6, Dopamine, biological studies 57-27-2, Morphine, biological studies 59-05-2, Methotrexate 89-57-6, 5-Aminosalicylic acid 20830-81-3, Daunorubicin 23214-92-8, Doxorubicin 24280-93-1, Mycophenolic acid 65589-70-0, Acriflavine
RL: RCT (Reactant); THU (Therapeutic use); BIOL (Biological study); RACT (Reactant or reagent); USES (Uses)
(prepn. of drug-contg. polyamides, **polyesters** and polythioesters as prodrugs)
IT 51-61-6DP, Dopamine, polymers with diacid chlorides 57-27-2DP, Morphine,
polymers with diacid chlorides 59-05-2DP, Methotrexate, polymers with diacid chlorides 89-57-6DP, 5-Aminosalicylic acid, polymers with diacid chlorides 20830-81-3DP, Daunorubicin, polymers with diacid chlorides 22803-06-1DP, 2,7-Anthracenediamine, polymers with diacid chlorides 23214-92-8DP, Doxorubicin, polymers with diacid chlorides 24280-93-1DP, Mycophenolic acid, polymers with diacid chlorides
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of drug-contg. polyamides, **polyesters** and polythioesters as prodrugs)
IT 50-07-7, Mitomycin C 50-44-2, 6-Mercaptopurine 50-91-9, Floxuridine 53-79-2, Puromycin 56-75-7, Chloramphenicol 57-22-7, Vincristine 57-62-5, Chlortetracycline 57-92-1, Streptomycin, biological studies 59-01-8, Kanamycin 60-54-8, Tetracycline 61-24-5, Cephalosporin C 61-68-7, Mefenamic acid 66-76-2, Dicoumarol 69-33-0, Tubercidin 69-53-4, Ampicillin 69-72-7, Salicylic acid, biological studies 76-41-5, Oxymorphone 79-57-2, Oxytetracycline 80-02-4 80-03-5, Acediasulfone 80-08-0, Dapsone 80-80-8, Acetosulfone 87-21-8, Piridocaine 87-28-5, Glycol salicylate 89-38-3, Pteropterin 90-01-7,
Salicyl alcohol 103-12-8, Sulfamidochrysoidine 104-29-0, Chlorphenesin
113-73-5, Gramicidin S 114-07-8, Erythromycin 115-02-6, Azaserine

119-59-5, 4,4'-Sulfinyldianiline 121-57-3, Sulfanilic acid 127-33-3, Demeclocycline 128-46-1, Dihydrostreptomycin 133-65-3, Solasulfone 144-76-3, Sulfoxone 147-94-4, Cytarabine 148-82-3, Melphalan 154-21-2, Lincomycin 154-42-7, Thioguanine 157-03-9, 6-Diazo-5-oxo-L-norleucine 320-67-2, Azacitidine 473-30-3, Thiazolsulfone 485-41-6, Sulfachrysoidine 488-41-5, Mitobronitol **490-79-9**, Gentisic acid 490-98-2, Hydroxytetracaine 493-75-4, Bialamicol 525-94-0, Penicillin N 530-78-9, Flufenamic acid 536-25-4, Orthocaine 548-00-5, Ethyl biscoumacetate 552-94-3, Salsalate 554-18-7, Glucosulfone 564-25-0, Doxycycline 576-68-1, Mannomustine 589-44-6, 3-Amino-4-hydroxybutyric acid 599-79-1, Sulfasalazine 644-62-2, Meclofenamic acid 657-24-9, Metformin 671-16-9, Procarbazine 738-70-5, Trimethoprim 751-97-3, Rolitetracycline 808-26-4, Sancycline 865-21-4, Vinblastine 914-00-1, Methacycline 992-21-2, Lymecycline 1066-17-7, Colistin 1110-80-1, Pipacycline 1181-54-0, Clomocycline 1392-21-8, Leucomycin 1393-48-2, Thiostrepton 1397-89-3, Amphotericin B 1400-61-9, Nystatin 1403-17-4, Candicidin 1403-66-3, Gentamicin 1404-00-8, Mitomycin 1404-04-2, Neomycin 1404-15-5, Nogalamycin 1404-19-9, Oligomycin 1404-55-3, Ristocetin 1404-90-6, Vancomycin 1405-87-4, Bacitracin 1405-97-6, Gramicidin 1406-11-7, Polymyxin 1508-45-8 1596-63-0, Quinacillin 1695-77-8, Spectinomycin 1821-16-5 2013-58-3, Meclocycline 2090-89-3, Butethamine 2188-67-2, Naepaine 2315-08-4, Salazosulfadimidine 2316-64-5, Bromosaligenin 2750-76-7, Rifamide 3094-09-5, Doxifluridine 3485-14-1, Cyclacillin 3511-16-8, Hetacillin 3577-01-3, Cephaloglycin 3583-64-0, Bumadizon 3922-90-5, Oleandomycin 3930-19-6, Streptonigrin 4291-63-8, Cladribine 4366-18-1, Coumetarol 4393-19-5, p-Sulfanilylbenzylamine 4394-00-7, Niflumic acid 4564-87-8, Carbomycin 4697-36-3, Carbenicillin 4803-27-4, Anthramycin 5581-52-2, Thiamiprine 5934-14-5, Succisulfone 5964-62-5, Diathymosulfone 6202-21-7, 4-Sulfanilamidosalicylic acid 6834-98-6, Fungichromin 6998-60-3, Rifamycin SV 7681-93-8, Natamycin 8025-81-8, Spiramycin 10118-90-8, Minocycline 10318-26-0, Mitolactol 11003-38-6, Capreomycin 11006-70-5, Olivomycin 11015-37-5, Bambermycin 11056-06-7, Bleomycin 11075-36-8, Tuberactinomycin 11078-21-0, Filipin 11120-15-3, Dermostatin 11121-32-7, Mepartricin 12650-69-0, Mupirocin 12772-35-9, Butirosin 13058-67-8, Lucensomycin 13292-46-1, Rifampin 13665-88-8, Mopidamol 13710-19-5, Tolfenamic acid 13838-08-9, Azidamfenicol 14376-16-0 15307-86-5, Diclofenac 15318-45-3, Thiamphenicol 15599-51-6, Apicycline 15686-71-2, Cephalexin 15722-48-2, Olsalazine 16545-11-2, Guamecycline 16846-24-5, Josamycin 18323-44-9, Clindamycin 18378-89-7, Plicamycin 18471-20-0, Ditazol 18559-94-9, Albuterol 18883-66-4, Streptozocin 20594-83-6, Nalbuphine 21679-14-1, Fludarabine 22006-84-4, Denopterin 22494-42-4, Diflunisal 22619-35-8, Tioclomarol 23049-93-6, Enfenamic acid 23249-97-0, Procodazole 25546-65-0, Ribostamycin 26774-90-3, Epicillin 26787-78-0, Amoxicillin 29069-24-7, Prednimustine 29767-20-2, Teniposide 29908-03-0 30516-87-1, Zidovudine 30544-47-9, Etofenamate 31698-14-3, Ancitabine 32385-11-8, Sisomicin 32986-56-4, Tobramycin 33069-62-4, Paclitaxel 33103-22-9, Enviomycin 33419-42-0, Etoposide 33996-33-7, Oxaceprol 34444-01-4, Cefamandole 34493-98-6, Dibekacin 34616-39-2, Fenalcomine 34787-01-4, Ticarcillin 35457-80-8, Midecamycin 35834-26-5 36981-91-6, Fepradinol 37321-09-8, Apramycin 37517-28-5, Amikacin 38821-53-3, Cephradine 39718-89-3, Alminoprofen

41340-25-4, Etodolac 41575-94-4, Carboplatin 42408-82-2, Butorphanol
50370-12-2, Cefadroxil 50935-04-1, Carubicin 51025-85-5, Arbekacin
51333-22-3, Budesonide 51384-51-1, Metoprolol 51579-82-9, Amfenac
51627-14-6, Cefatrizine 51762-05-1, Cefroxadine 51940-44-4, Pipemidic
acid 52093-21-7, Micronomicin 52128-35-5, Trimetrexate 52443-21-7,
Glucametacin 52485-79-7, Buprenorphine 53123-88-9, Sirolimus
53597-27-6, Fendosal 53643-48-4, Vindesine 53714-56-0, Leuprolide
53716-49-7, Carprofen 53808-87-0, Tetroxoprim 53910-25-1, Pentostatin
53994-73-3, Cefaclor 54083-22-6, Zorubicin 54749-90-5, Chlorozotocin
55726-47-1, Enocitabine 56391-56-1, Netilmicin 56420-45-2, Epirubicin
56518-41-3, Brodimoprim 56824-20-5, Amiprilose 58152-03-7, Isepamicin
58337-35-2, Elliptinium 58957-92-9, Idarubicin 58970-76-6, Ubenimex
58994-96-0, Ranimustine 59277-89-3, Acyclovir 60925-61-3, Ceforanide
61036-62-2, Teicoplanin 61270-58-4, Cefonicid 61379-65-5, Rifapentine
61622-34-2, Cefotiam 62013-04-1, Dirithromycin 62327-61-1, Perimycin
A
62571-86-2, Captopril 62893-19-0, Cefoperazone 63358-49-6,
Aspoxicillin 63469-19-2, Apalcillin 63527-52-6, Cefotaxime
64221-86-9, Imipenem 64952-97-2, Moxalactam 65002-17-7, Bucillamine
65052-63-3, Cefetamet 65085-01-0, Cefmenoxime 65271-80-9,
Mitoxantrone
66148-78-5, Temocillin 66357-35-5, Ranitidine
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(prepn. of drug-contg. polyamides, **polyesters** and
polythioesters as prodrugs)
IT 66376-36-1, Alendronate 66676-88-8, Aclacinomycin 68247-85-8,
Peplomycin 69712-56-7, Cefotetan 69739-16-8, Cefodizime 70052-12-9,
Eflornithine 70458-96-7, Norfloxacin 70797-11-4, Cefpiramide
71426-83-0, Fortimicin 71486-22-1, Vinorelbine 71628-96-1, Menogaril
72496-41-4, Pirarubicin 72558-82-8, Ceftazidime 72732-56-0,
Piritrexim
73384-59-5, Ceftriaxone 74011-58-8, Enoxacin 74014-51-0, Rokitamycin
74863-84-6, Argatroban 74913-06-7, Chromomycin 75607-67-9,
Fludarabine
phosphate 75847-73-3, Enalapril 76547-98-3, Lisinopril 76610-84-9,
Cefbuperazone 76824-35-6, Famotidine 76963-41-2, Nizatidine
78110-38-0, Aztreonam 78113-36-7, Romurtide 78919-13-8, Iloprost
79217-60-0, Cyclosporin 79350-37-1, Cefixime 80214-83-1,
Roxithromycin
80576-83-6, Edatrexate 80621-81-4, Rifaximin 81093-37-0,
Pravastatin 81103-11-9, Clarithromycin 82009-34-5, Cilastatin
82219-78-1, Cefuzonam 82547-58-8, Cefteram 83905-01-5, Azithromycin
84305-41-9, Cefminox 84420-34-8, Paromomycin 84845-57-8, Ritipenem
84880-03-5, Cefpimizole 84957-29-9, Cefpirome 85441-61-8, Quinapril
85721-33-1, Ciprofloxacin 86541-75-5, Benazepril 87638-04-8,
Carumonam
87726-17-8, Panipenem 88040-23-7, Cefepime 88669-04-9, Trospectomycin
89365-50-4, Salmeterol 89796-99-6, Aceclofenac 91714-94-2, Bromfenac
91832-40-5, Cefdinir 92665-29-7, Cefprozil 93957-54-1, Fluvastatin
95058-81-4, Gemcitabine 96036-03-2, Meropenem 97519-39-6, Ceftibuten
98079-51-7, Lomefloxacin 98629-43-7, Gusperimus 99665-00-6, Flomoxef
100490-36-6, Tosufloxacin 102507-71-1, Tigemonam 104145-95-1,
Cefditoren 104987-11-3, Tacrolimus 105239-91-6, Cefclidin
105956-97-6, Clinafloxacin 106486-76-4, Carzinophillin A 108319-06-8,
Temafloxacin 108945-35-3, Taprostene 110871-86-8, Sparfloxacin
112887-68-0 113359-04-9, Cefozopran 113441-12-6, Primycin
114977-28-5, Docetaxel 119914-60-2, Grepafloxacin 120410-24-4,
Biapenem 123948-87-8, Topotecan 124858-35-1, Nadifloxacin
127045-41-4, Pazufloxacin 134523-00-5, Atorvastatin 134678-17-4,

Lamivudine 144412-49-7, Lamifiban 144494-65-5, Tirofiban 147059-72-1, Trovafloxacin 150378-17-9, Indinavir 154361-50-9, Capecitabine
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(prepn. of drug-contg. polyamides, **polyesters** and polythioesters as prodrugs)

=> 80576-83-6
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L31 130 L30

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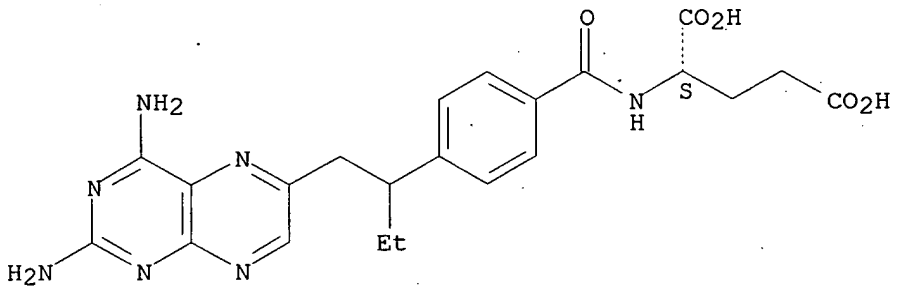
L31 ANSWER 1 OF 130 CAPLUS COPYRIGHT 2003 ACS
IT INDEXING IN PROGRESS
IT **80576-83-6**, Edatrexate
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(co-therapy with; enzymic nucleic acid treatment of diseases or conditions related to levels of epidermal growth factor receptors)
RN 80576-83-6 CAPLUS
CN L-Glutamic acid,
N-[4-[1-[(2,4-diamino-6-pteridinyl)methyl]propyl]benzoyl]-
(9CI) (CA INDEX NAME)

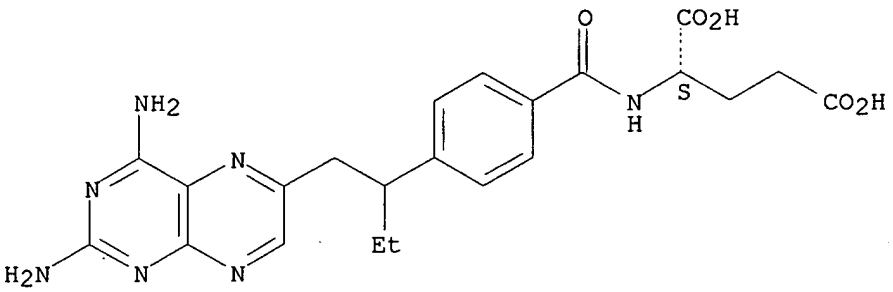
Absolute stereochemistry.



L31 ANSWER 2 OF 130 CAPLUS COPYRIGHT 2003 ACS
IT **80576-83-6**, Edatrexate
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(co-therapy with; enzymic nucleic acid treatment of diseases or conditions related to levels of epidermal growth factor receptors)
RN 80576-83-6 CAPLUS
CN L-Glutamic acid,
N-[4-[1-[(2,4-diamino-6-pteridinyl)methyl]propyl]benzoyl]-

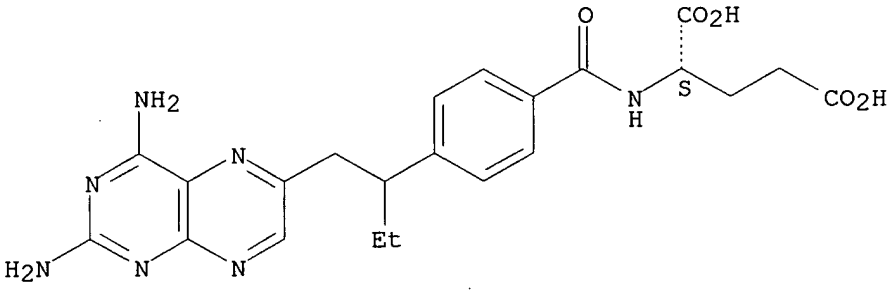
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



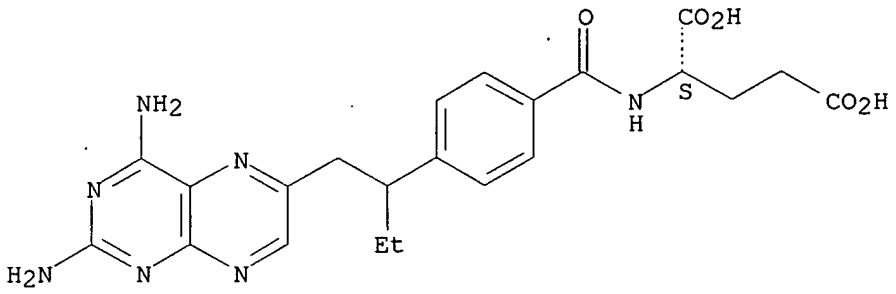
L31 ANSWER 3 OF 130 CAPLUS COPYRIGHT 2003 ACS
IT **80576-83-6,** 10-Ethyl-10-deazaaminopterin
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(methods and compns. to det. chemosensitizing dose of suramin used in combination therapy)
RN 80576-83-6 CAPLUS
CN L-Glutamic acid,
N-[4-[1-[(2,4-diamino-6-pteridinyl)methyl]propyl]benzoyl]-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



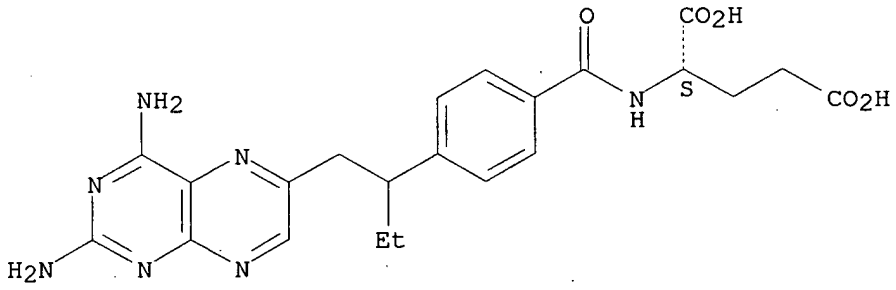
L31 ANSWER 4 OF 130 CAPLUS COPYRIGHT 2003 ACS
IT **80576-83-6,** Edatrexate
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(enzymic nucleic acid treatment of diseases or conditions related to levels of epidermal growth factor receptors)
RN 80576-83-6 CAPLUS
CN L-Glutamic acid,
N-[4-[1-[(2,4-diamino-6-pteridinyl)methyl]propyl]benzoyl]-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



L31 ANSWER 5 OF 130 CAPLUS COPYRIGHT 2003 ACS
IT **80576-83-6**, Edatrexate
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(anti-Fas monoclonal antibodies and anti-inflammatory agents in the treatment and prevention of bone erosion from osteoclasts)
RN 80576-83-6 CAPLUS
CN L-Glutamic acid,
N-[4-[1-[(2,4-diamino-6-pteridinyl)methyl]propyl]benzoyl]-
(9CI) (CA INDEX NAME)

Absolute stereochemistry.



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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	13.58	375.70

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CA SUBSCRIBER PRICE                                     0.00      -5.21

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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
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FULL ESTIMATED COST                                    13.58     375.70

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                     0.00      -5.21

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DICTIONARY FILE UPDATES:   3 JUN 2003  HIGHEST RN 524916-37-8

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Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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L32 HAS NO ANSWERS
L32             STR
```
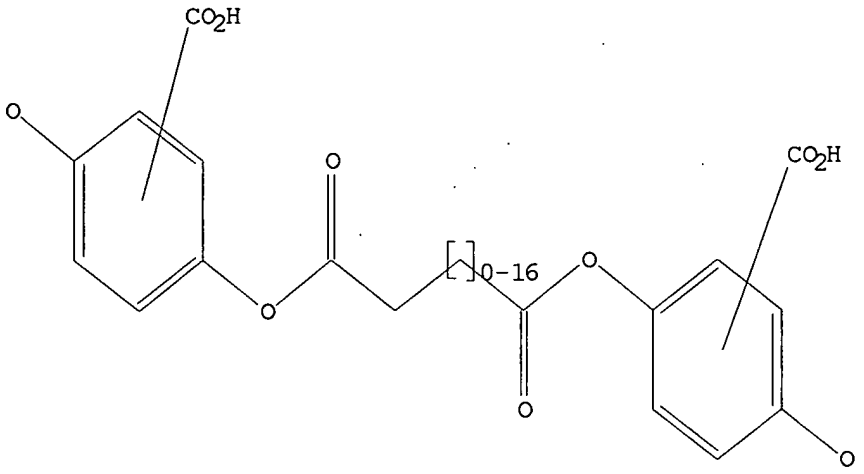
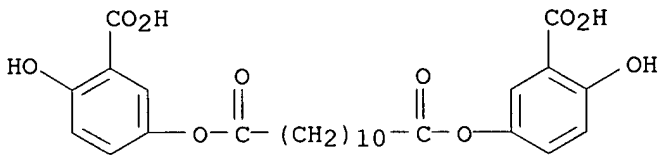



Structure attributes must be viewed using STN Express query preparation.

```
=> search l32 sss sam
SAMPLE SEARCH INITIATED 13:18:02 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     76 TO ITERATE

100.0% PROCESSED      76 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          997 TO     2043
PROJECTED ANSWERS:               0 TO        0

L33           0 SEA SSS SAM L32

=> search l32 sss full
FULL SEARCH INITIATED 13:18:12 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   1216 TO ITERATE

100.0% PROCESSED    1216 ITERATIONS                               3 ANSWERS
SEARCH TIME: 00.00.01

L34           3 SEA SSS FUL L32

=> d scan

L34  3 ANSWERS   REGISTRY  COPYRIGHT 2003 ACS
IN   Dodecanedioic acid, bis(3-carboxy-4-hydroxyphenyl) ester (9CI)
MF   C26 H30 O10
```

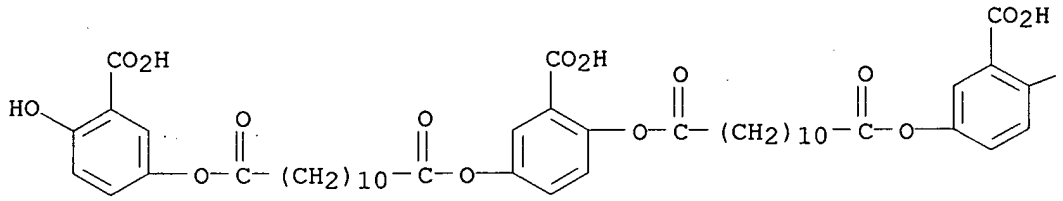


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L34 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, 2-carboxy-1,4-phenylene bis(3-carboxy-4-hydroxyphenyl) ester (9CI)
MF C45 H54 O16

PAGE 1-A

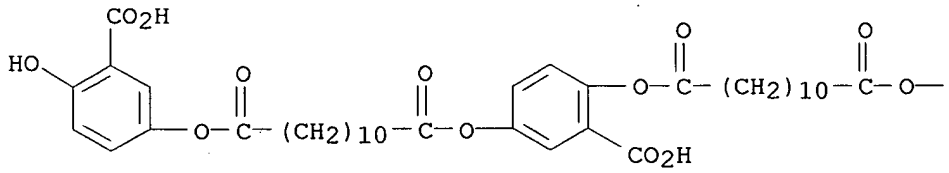


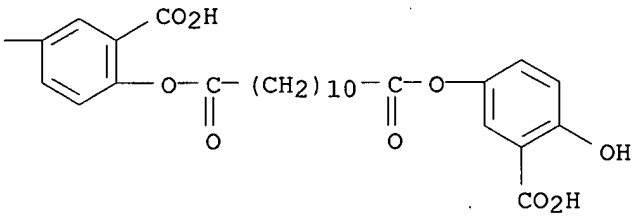
PAGE 1-B

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L34 3 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, 2-carboxy-4-[[12-(3-carboxy-4-hydroxyphenoxy)-1,12-dioxododecyl]oxy]phenyl 3-carboxy-4-[[12-(3-carboxy-4-hydroxyphenoxy)-1,12-dioxododecyl]oxy]phenyl ester (9CI)
MF C64 H78 O22

PAGE 1-A





ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	148.55	524.25

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-5.21

FILE 'CAPLUS' ENTERED AT 13:18:40 ON 04 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 4 Jun 2003 VOL 138 ISS 23
FILE LAST UPDATED: 3 Jun 2003 (20030603/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l34
L35 1 L34

=> d l35 ti fbib abs

L35 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
TI Melt supramolecular assembly of oligomers with regularly spaced, alternating hydrogen bonding and hydrophobic sites
AN 1999:753790 CAPLUS

DN 132:123000
TI Melt supramolecular assembly of oligomers with regularly spaced, alternating hydrogen bonding and hydrophobic sites
AU Greener, Bryan; Rose, John
CS Smith & Nephew Group Research Centre, Heslington, York, YO10 5DF, UK
SO Chemical Communications (Cambridge) (1999), (23), 2361-2362
CODEN: CHCOFS; ISSN: 1359-7345
PB Royal Society of Chemistry
DT Journal
LA English
AB The melt condensation of 2,5-dihydroxybenzoic acid with dodecanedioyl dichloride resulted in oligomers with regularly spaced, multiple hydrogen bonding sites; fibers were drawn from melts at 150 .degree.C.
RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.83	527.08

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-5.86

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:19:28 ON 04 JUN 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 13:21:08 ON 04 JUN 2003
FILE 'CAPLUS' ENTERED AT 13:21:08 ON 04 JUN 2003
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.83	527.08

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.65	-5.86

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.83	527.08

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION

CA SUBSCRIBER PRICE -0.65 -5.86

FILE 'REGISTRY' ENTERED AT 13:21:17 ON 04 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8
DICTIONARY FILE UPDATES: 3 JUN 2003 HIGHEST RN 524916-37-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

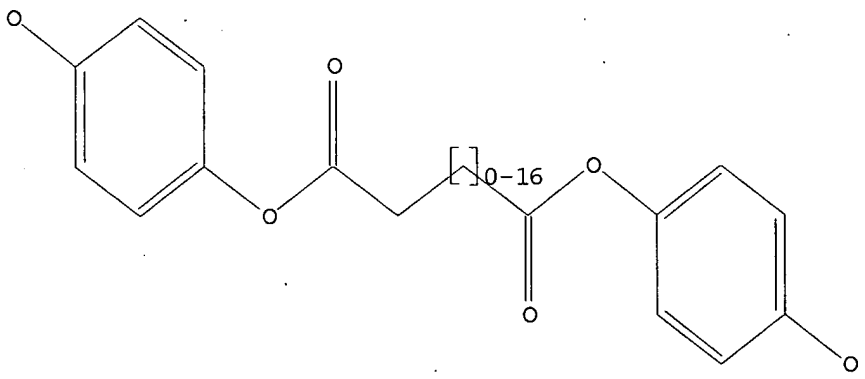
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10031950 broadest diaryl core.str

L36 STRUCTURE UPLOADED

=> d l36
L36 HAS NO ANSWERS
L36 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l36 sss sam
SAMPLE SEARCH INITIATED 13:21:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1896 TO ITERATE

52.7% PROCESSED 1000 ITERATIONS 2 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 35309 TO 40531
PROJECTED ANSWERS: 2 TO 191

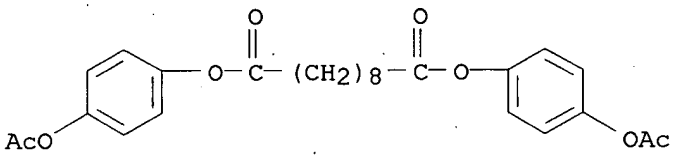
L37 2 SEA SSS SAM L36

=> d scan

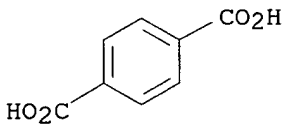
L37 2 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1,4-Benzenedicarboxylic acid, polymer with bis[4-(acetyloxy)phenyl] decanedioate (9CI)
MF (C26 H30 O8 . C8 H6 O4)x
CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1



CM 2

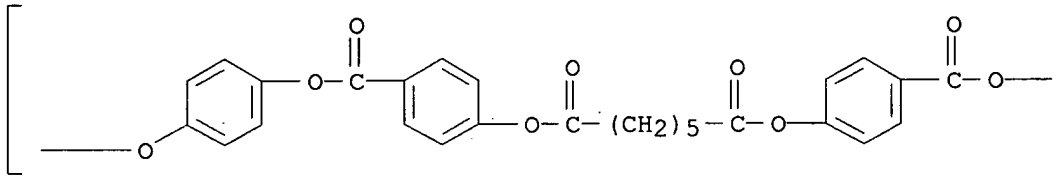


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

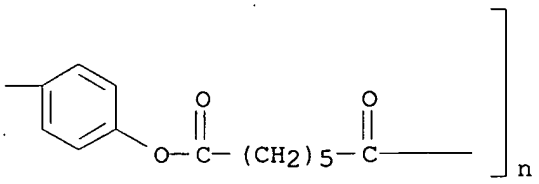
L37 2 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Poly[oxy-1,4-phenyleneoxycarbonyl-1,4-phenyleneoxy(1,7-dioxo-1,7-heptanediyl)oxy-1,4-phenylenecarbonyloxy-1,4-phenyleneoxy(1,7-dioxo-1,7-heptanediyl)] (9CI)
MF (C40 H36 O12)n
CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK

PAGE 1-A



PAGE 1-B



ALL ANSWERS HAVE BEEN SCANNED

=> search l36 sss full
FULL SEARCH INITIATED 13:23:18 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 37467 TO ITERATE

100.0% PROCESSED 37467 ITERATIONS 213 ANSWERS
SEARCH TIME: 00.00.01

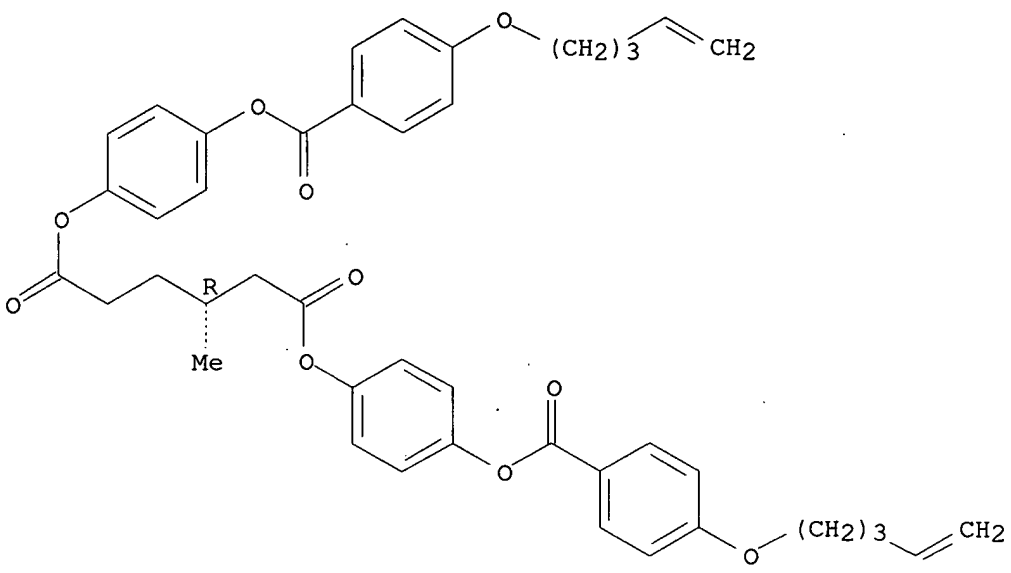
L38 213 SEA SSS FUL L36

=> d scan

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanedioic acid, 3-methyl-, bis[4-[[4-(4-pentenyloxy)benzoyl]oxy]phenyl] ester, (3R)-, homopolymer (9CI)
MF (C43 H44 O10)x
CI PMS

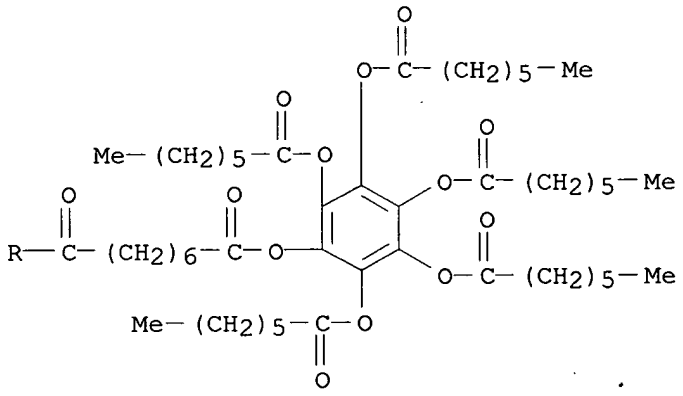
CM 1

Absolute stereochemistry. Rotation (+).

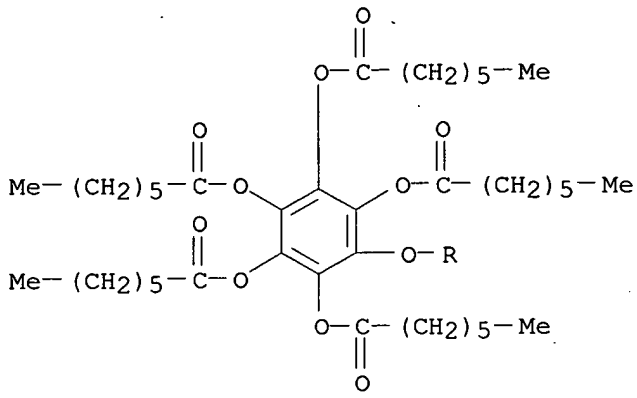


HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
MF C90 H142 O24



PAGE 2-A

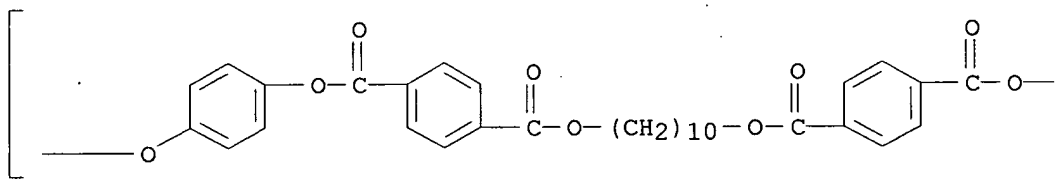


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

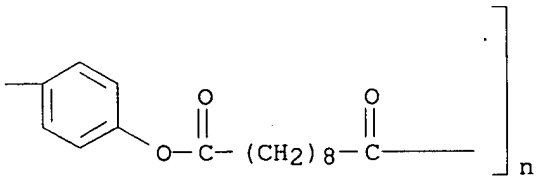
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Poly[oxy-1,4-phenyleneoxycarbonyl-1,4-phenylenecarbonyloxy-1,10-decanediyloxycarbonyl-1,4-phenylenecarbonyloxy-1,4-phenyleneoxy(1,10-dioxo-1,10-decanediyl)] (9CI)
MF (C48 H52 O12)n
CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK

PAGE 1-A

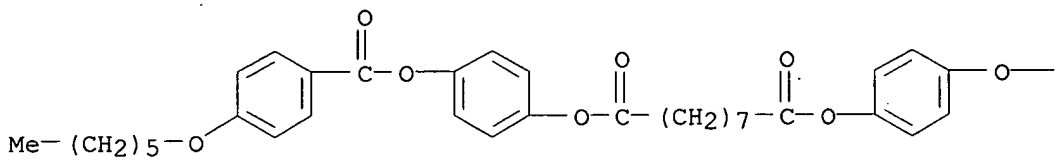


PAGE 1-B

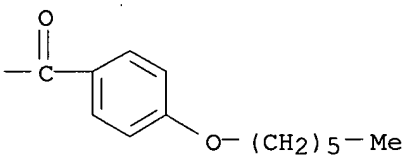


L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Nonanedioic acid, bis[4-[[4-(hexyloxy)benzoyl]oxy]phenyl] ester (9CI)
MF C47 H56 O10

PAGE 1-A



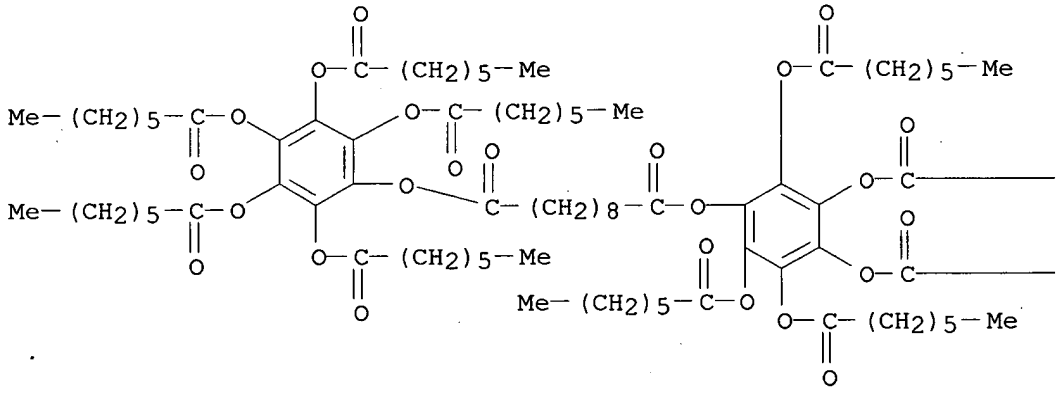
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Decanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
MF C92 H146 O24

PAGE 1-A

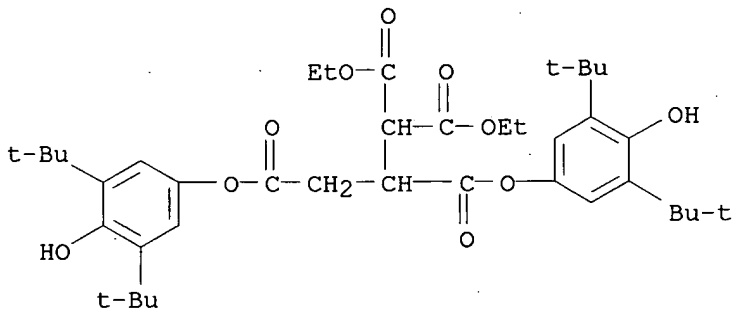


— $(CH_2)_5$ — Me .

— $(CH_2)_5$ — Me

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

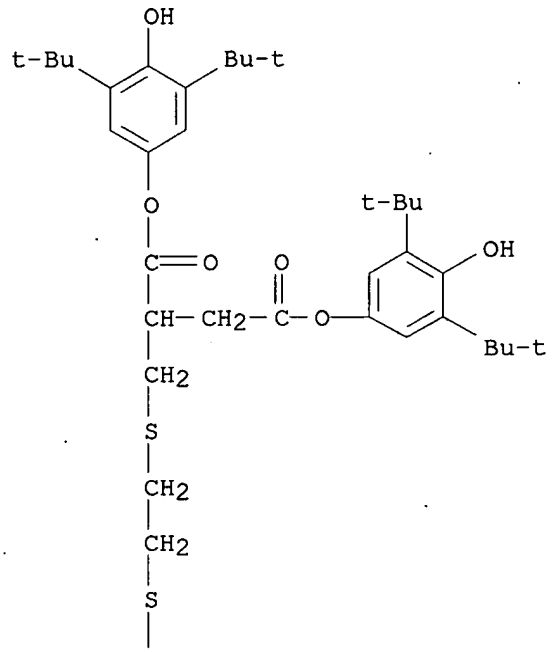
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1,1,2,3-Propanetetracarboxylic acid, 2,3-bis(3,5-di-tert-butyl-4-hydroxyphenyl) diethyl ester (8CI)
MF C39 H56 O10



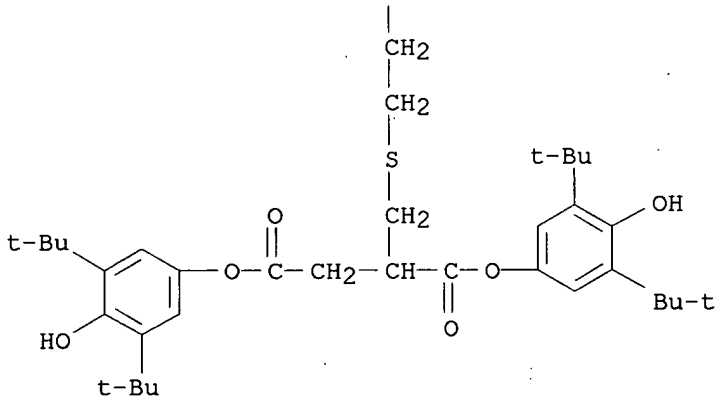
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, 2,2'-[thiobis(ethylenethiomethylene)]di-, tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C70 H102 O12 S3

PAGE 1-A

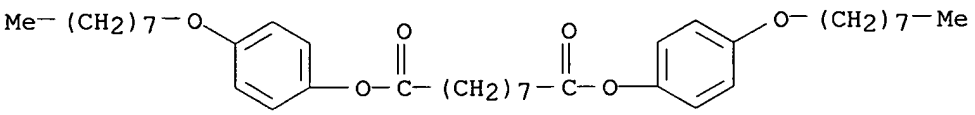


PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Nonanedioic acid, bis[4-(octyloxy)phenyl] ester (9CI)
MF C37 H56 O6

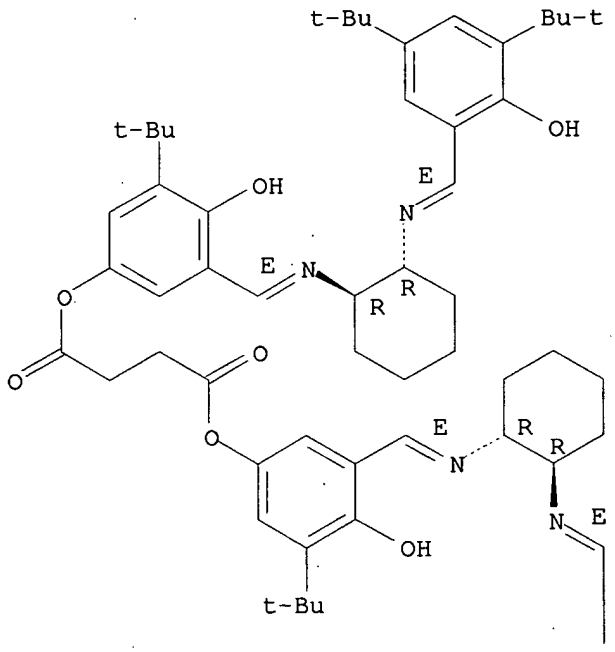


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

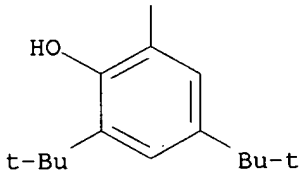
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Butanedioic acid,
bis[3-[(E)-[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-dimethylethyl)-4-hydroxyphenyl] ester (9CI)
MF C68 H94 N4 O8

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



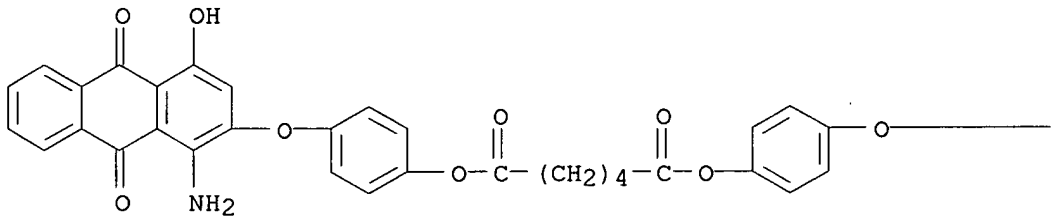
PAGE 2-A



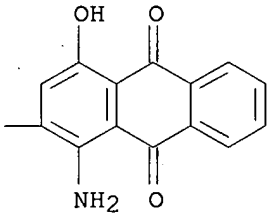
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanedioic acid, bis[4-[(1-amino-9,10-dihydro-4-hydroxy-9,10-dioxo-2-anthracenyl)oxy]phenyl] ester (9CI)
MF C46 H32 N2 O12

PAGE 1-A

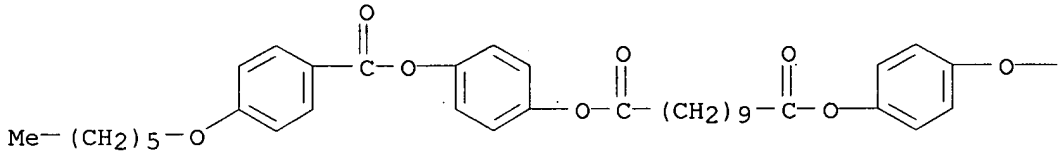


PAGE 1-B

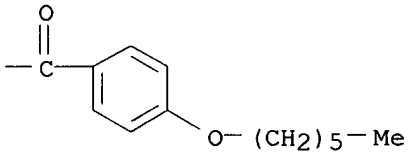


L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Undecanedioic acid, bis[4-[[4-(hexyloxy)benzoyl]oxy]phenyl] ester (9CI)
MF C49 H60 O10

PAGE 1-A

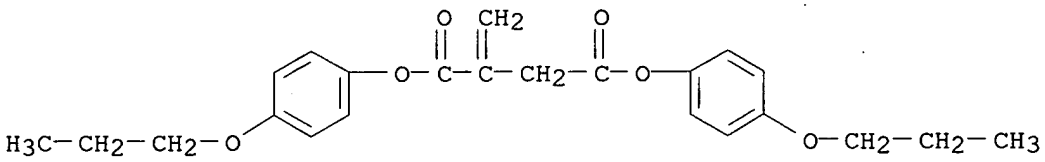


PAGE 1-B



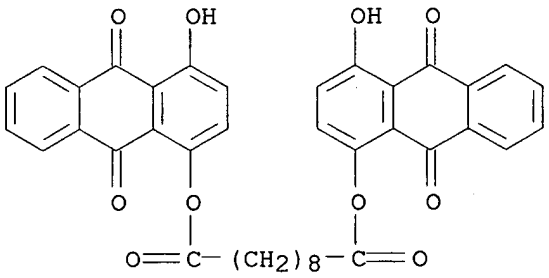
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Butanedioic acid, methylene-, bis(4-propoxyphenyl) ester (9CI)
MF C23 H26 O6
CI COM



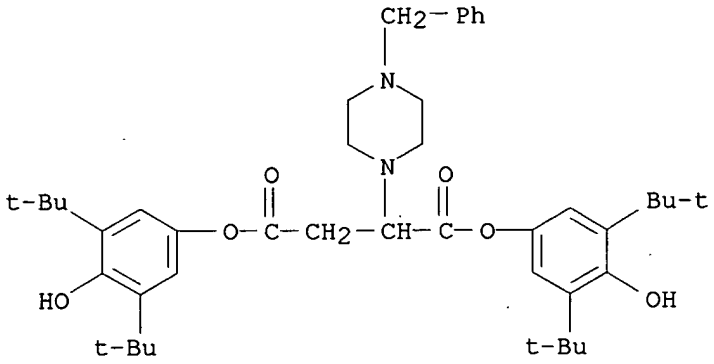
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Decanedioic acid, bis(9,10-dihydro-4-hydroxy-9,10-dioxo-1-anthracenyl) ester (9CI)
MF C38 H30 O10



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

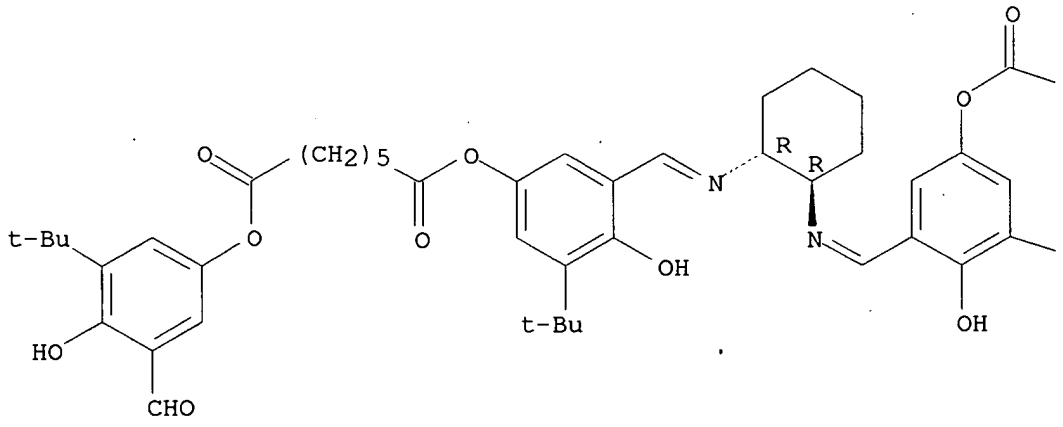
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1-Piperazinesuccinic acid, 4-benzyl-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C43 H60 N2 O6



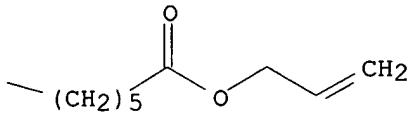
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanedioic acid, 3-(1,1-dimethylethyl)-5-[[[(1R,2R)-2-[[[3-(1,1-dimethylethyl)-5-[[7-[3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenoxy]-1,7-dioxoheptyl]oxy]-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-4-hydroxyphenyl 2-propenyl ester (9CI)
MF C56 H74 N2 O12

Absolute stereochemistry.
Double bond geometry unknown.



PAGE 1-B

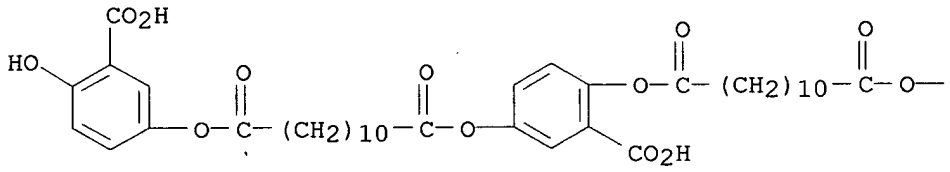


Bu-t

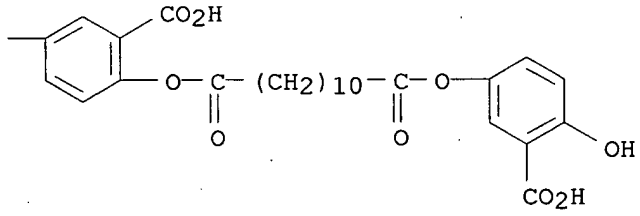
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, 2-carboxy-4-[[12-(3-carboxy-4-hydroxyphenoxy)-1,12-dioxododecyl]oxy]phenyl 3-carboxy-4-[[12-(3-carboxy-4-hydroxyphenoxy)-1,12-dioxododecyl]oxy]phenyl ester (9CI)
MF C64 H78 O22

PAGE 1-A



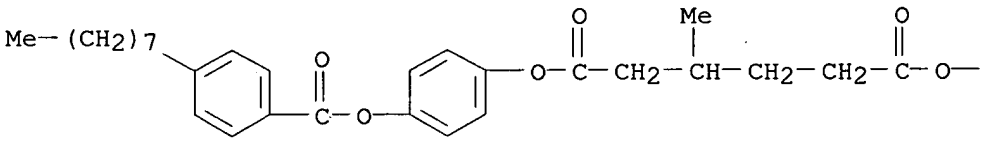
PAGE 1-B



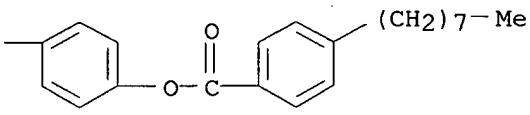
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanedioic acid, 3-methyl-, bis[4-[(4-octylbenzoyl)oxy]phenyl] ester, mixt. with 4'-nonyl[1,1'-biphenyl]-4-carbonitrile, 4'-octyl[1,1'-biphenyl]-4-carbonitrile and 4'-(octyloxy)[1,1'-biphenyl]-4-carbonitrile (9CI)
MF C49 H60 O8 . C22 H27 N . C21 H25 N O . C21 H25 N
CI MXS

CM 1

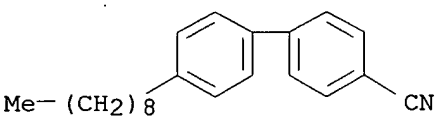
PAGE 1-A



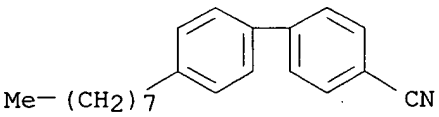
PAGE 1-B



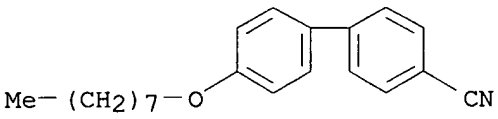
CM 2



CM 3

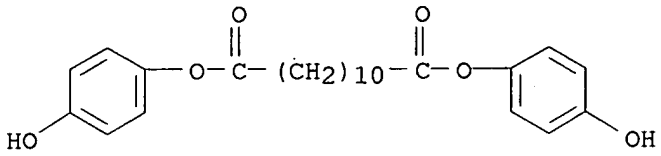


CM 4

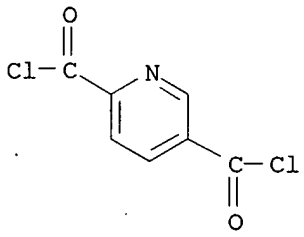


L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis(4-hydroxyphenyl) ester, polymer with 2,5-pyridinedicarbonyl dichloride (9CI)
MF (C24 H30 O6 . C7 H3 Cl2 N O2)x
CI PMS

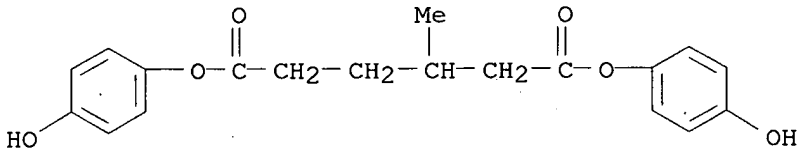
CM 1



CM 2



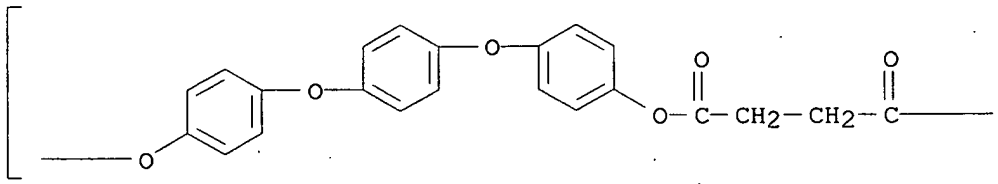
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanedioic acid, 3-methyl-, bis(4-hydroxyphenyl) ester (9CI)
MF C19 H20 O6
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

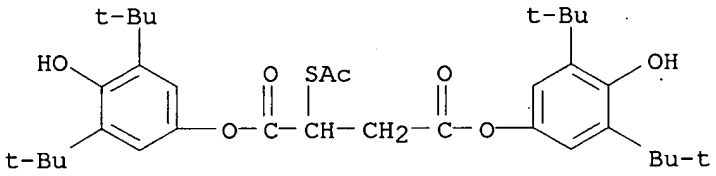
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN
Poly[oxy-1,4-phenyleneoxy-1,4-phenyleneoxy-1,4-phenyleneoxy(1,4-dioxo-1,4-butanediyl)] (9CI)
MF (C22 H16 O6)n
CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK



]n

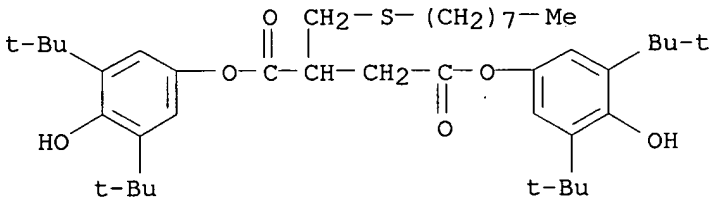
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, mercapto-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester, 2-acetate (8CI)
MF C34 H48 O7 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, [(octylthio)methyl]-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C41 H64 O6 S



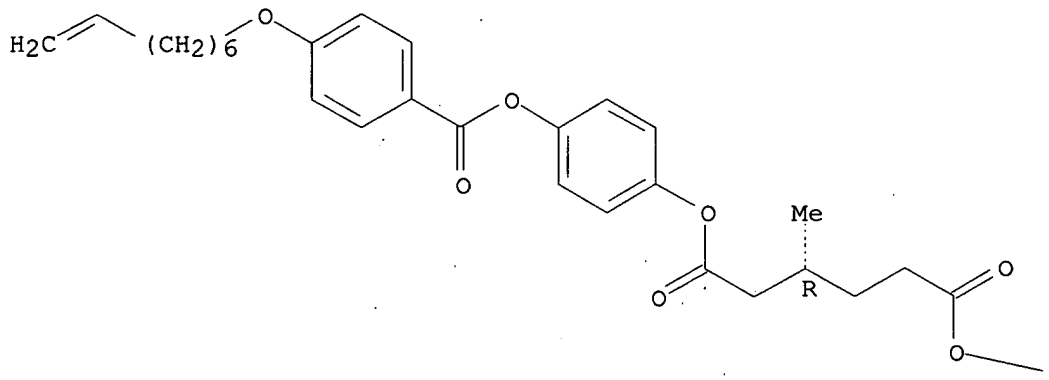
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanedioic acid, 3-methyl-, bis[4-[[4-(7-octenyloxy)benzoyl]oxy]phenyl] ester, (3R)-, homopolymer (9CI)
MF (C49 H56 O10)x
CI PMS

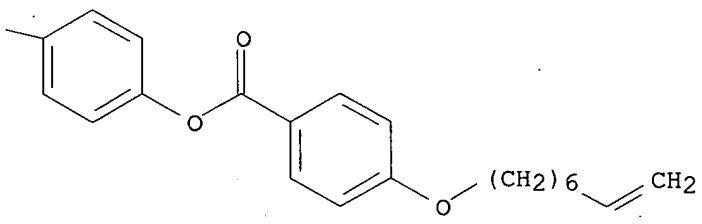
CM 1

Absolute stereochemistry. Rotation (+).

PAGE 1-A

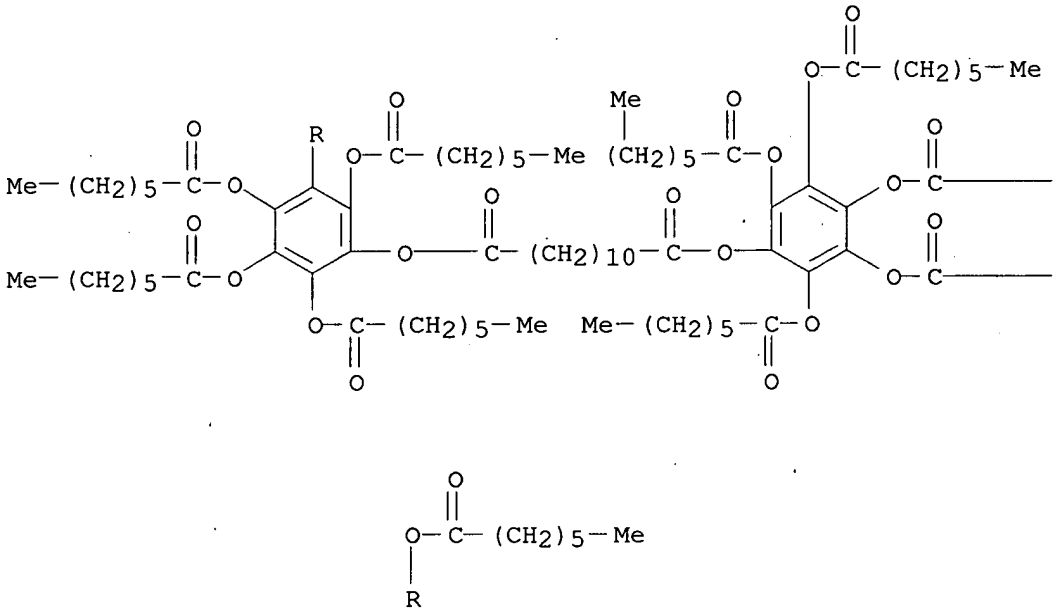


PAGE 1-B



L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
MF C94 H150 O24

PAGE 1-A



PAGE 1-B

— $(CH_2)_5$ — Me

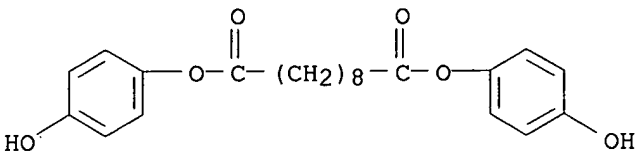
— $(CH_2)_5$ — Me

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

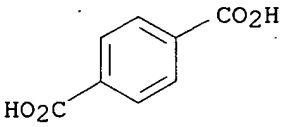
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1,4-Benzenedicarboxylic acid, polymer with bis(4-hydroxyphenyl) decanedioate (9CI)
MF (C22 H26 O6 . C8 H6 O4)x
CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1

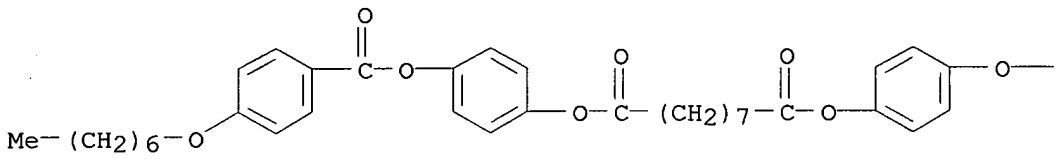


CM 2



L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Nonanedioic acid, bis[4-[[4-(heptyloxy)benzoyl]oxy]phenyl] ester (9CI)
MF C49 H60 O10

PAGE 1-A



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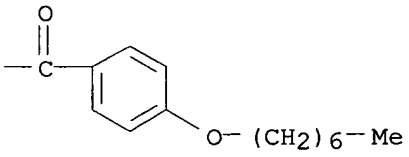
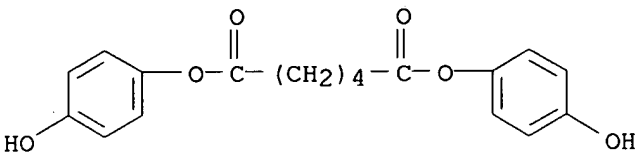


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

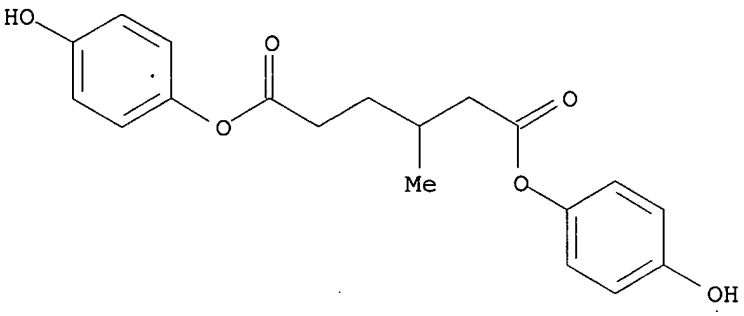
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanedioic acid, 3-methyl-, bis(4-hydroxyphenyl) ester, (+)-, polymer with bis(4-hydroxyphenyl) hexanedioate and trans-1,4-cyclohexanedicarbonyl dichloride (9CI)
MF (C19 H20 O6 . C18 H18 O6 . C8 H10 Cl2 O2)x
CI PMS

CM 1



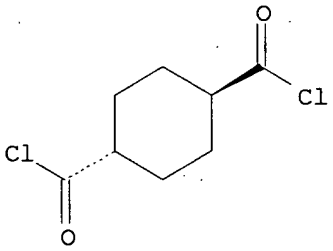
CM 2

Rotation (+).

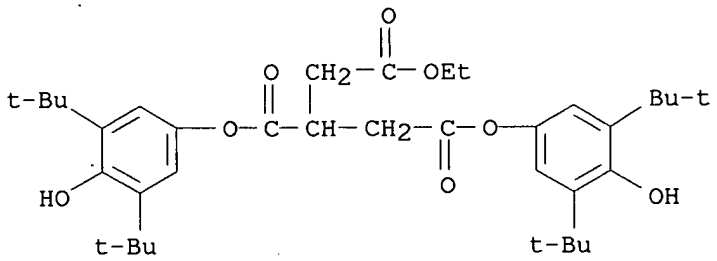


CM 3

Relative stereochemistry.



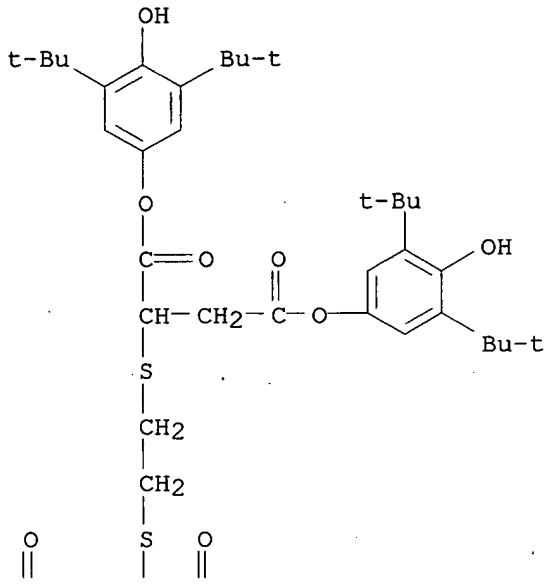
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1,2,3-Propanetricarboxylic acid, 1,2-bis(3,5-di-tert-butyl-4-hydroxyphenyl) ethyl ester (8CI)
MF C36 H52 O8



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, (ethylenedithio)di-, tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C66 H94 O12 S2

PAGE 1-A



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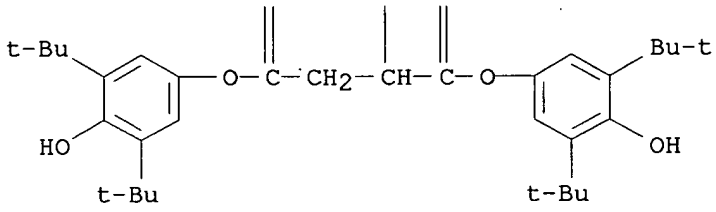
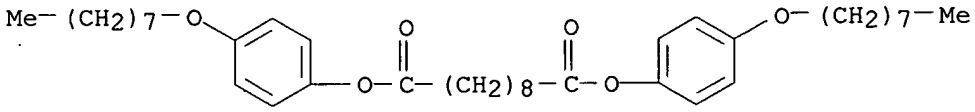


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Decanedioic acid, bis[4-(octyloxy)phenyl] ester (9CI)
MF C38 H58 O6

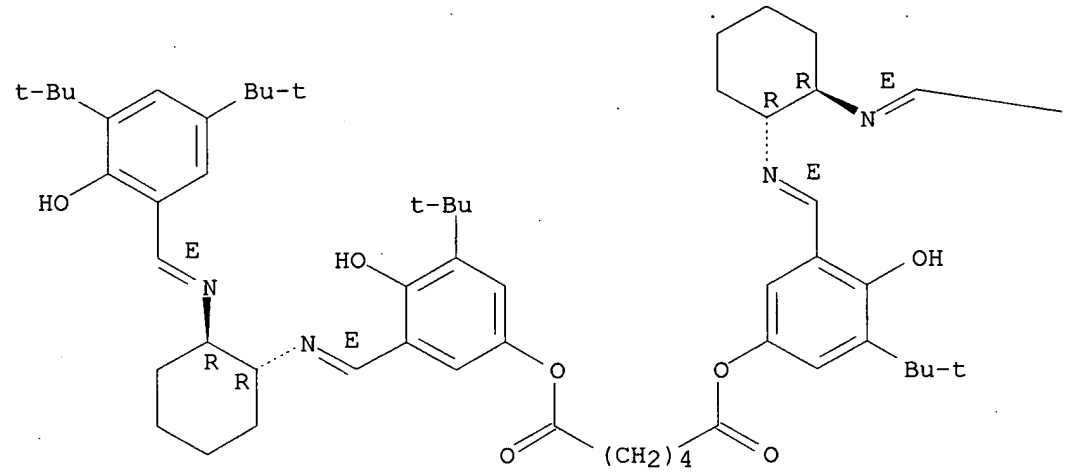


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

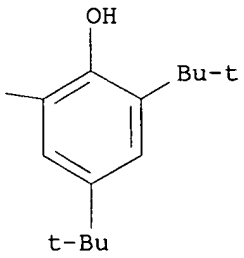
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanedioic acid,
bis[3-[(E)-[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-
2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-
dimethylethyl)-4-hydroxyphenyl] ester (9CI)
MF C70 H98 N4 O8

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



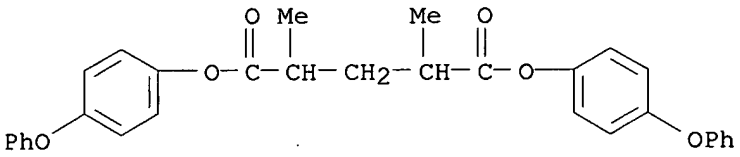
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

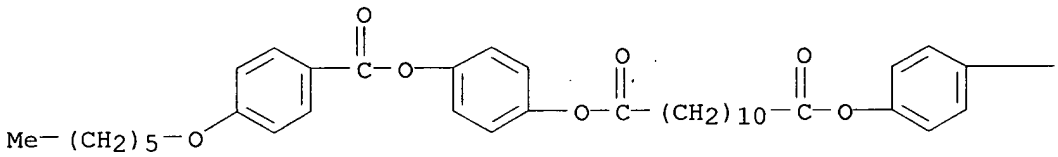
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Pentanedioic acid, 2,4-dimethyl-, bis(4-phenoxyphenyl) ester (9CI)
MF C31 H28 O6



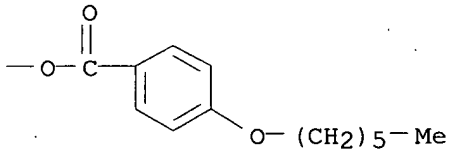
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis[4-[[4-(hexyloxy)benzoyl]oxy]phenyl] ester (9CI)
MF C50 H62 O10

PAGE 1-A



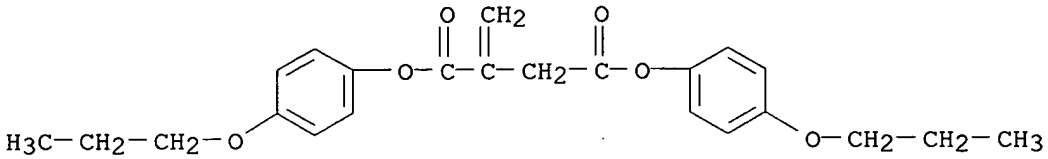
PAGE 1-B



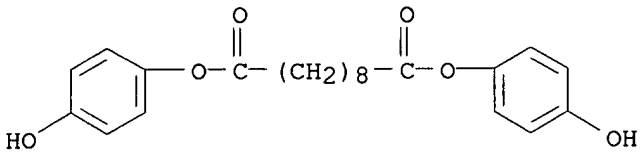
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Butanedioic acid, methylene-, bis(4-propoxyphenyl) ester, homopolymer (9CI)
MF (C23 H26 O6)x
CI PMS

CM 1

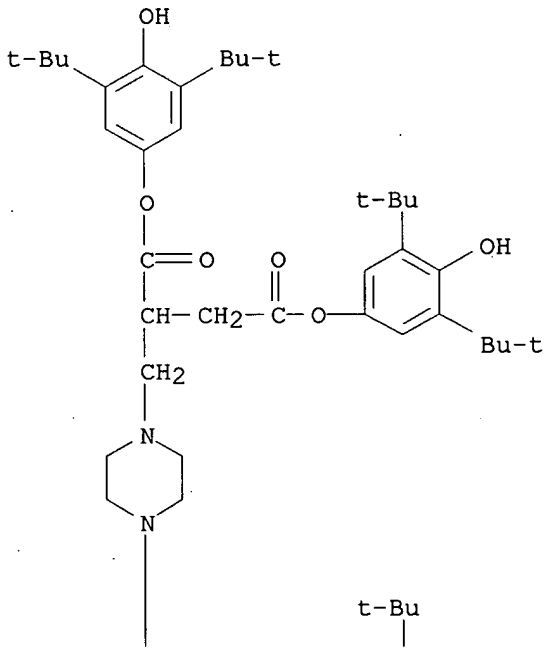


L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Decanedioic acid, bis(4-hydroxyphenyl) ester (9CI)
MF C22 H26 O6
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, 2,2'-(1,4-piperazinediyldimethylene)di-, tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C70 H102 N2 O12



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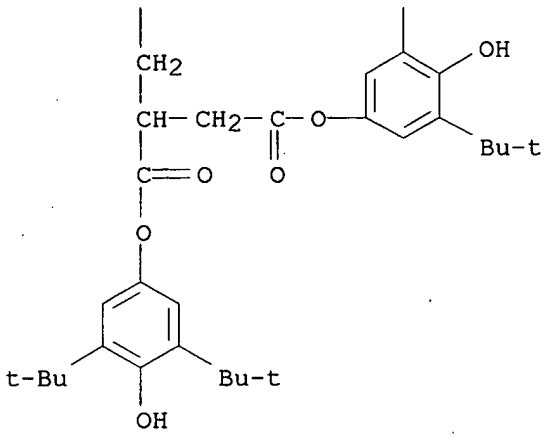


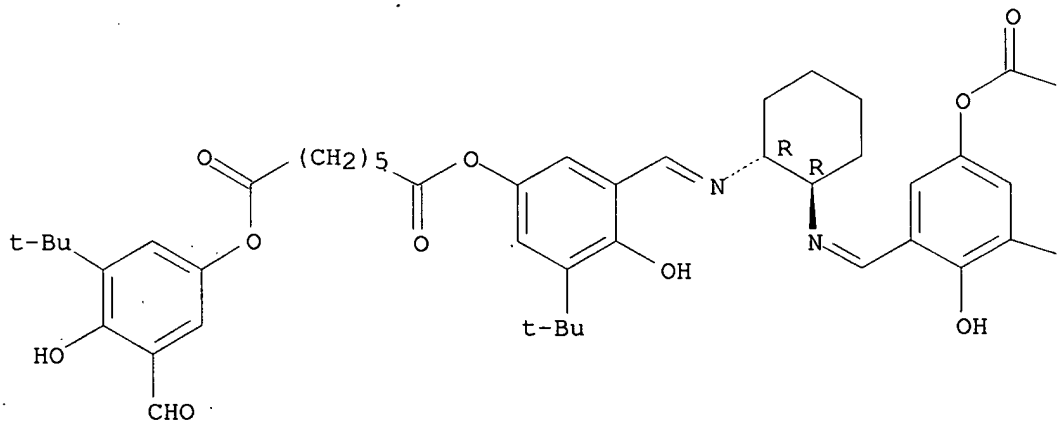
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanedioic acid,
3-[[[(1R,2R)-2-[[[5-[(6-carboxy-1-oxohexyl)oxy]-3-(1,1-

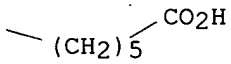
dimethylethyl)-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-
(1,1-dimethylethyl)-4-hydroxyphenyl 3-(1,1-dimethylethyl)-5-formyl-4-
hydroxyphenyl ester (9CI)
MF C53 H70 N2 O12

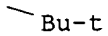
Absolute stereochemistry.
Double bond geometry unknown.

PAGE 1-A



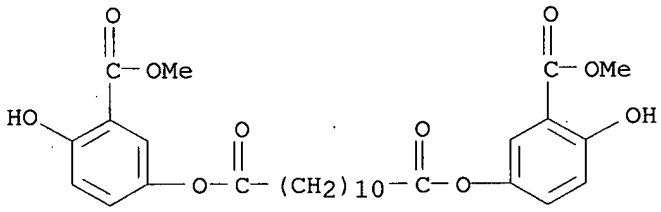
PAGE 1-B





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

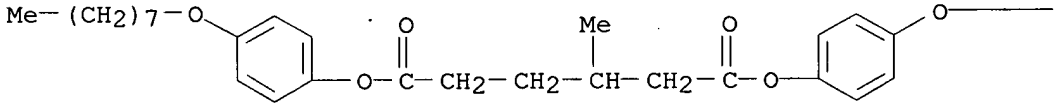
L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis[4-hydroxy-3-(methoxycarbonyl)phenyl] ester (9CI)
MF C28 H34 O10



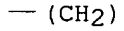
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanedioic acid, 3-methyl-, bis[4-(octyloxy)phenyl] ester (9CI)
MF C35 H52 O6
CI COM

PAGE 1-A



PAGE 1-B

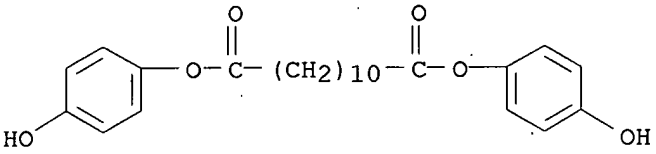


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis(4-hydroxyphenyl) ester, polymer with trans-1,4-cyclohexanedicarbonyl dichloride (9CI)
MF (C24 H30 O6 . C8 H10 Cl2 O2)x
CI PMS

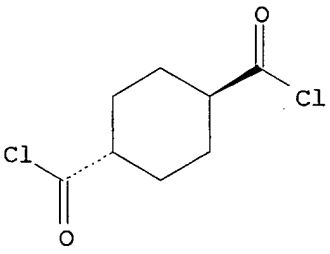
RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1



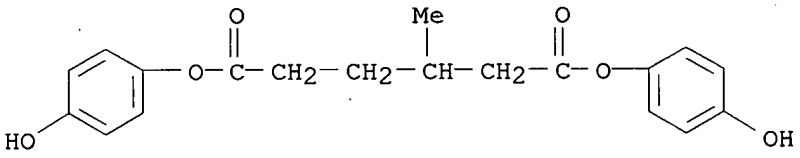
CM 2

Relative stereochemistry.



L38 213 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanedioic acid, 3-methyl-, bis(4-hydroxyphenyl) ester, homopolymer (9CI)
MF (C19 H20 O6)x
CI PMS

CM 1



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> save temp l38 barebones reg
'REG' IS NOT VALID HERE
For an explanation, enter "HELP SAVE".

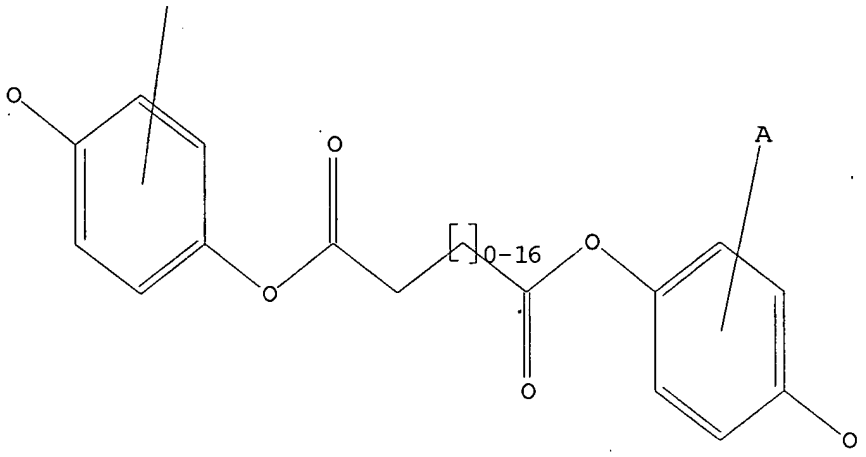
=> save temp l38 barebonesreg/a

ANSWER SET L38 HAS BEEN SAVED AS 'BAREBONESREG/A'

=>
Uploading 10031950 broadest substituted diaryl core.str

L39 STRUCTURE UPLOADED

=> d l39
L39 HAS NO ANSWERS
L39 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l39 sss sam
SAMPLE SEARCH INITIATED 13:27:49 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1891 TO ITERATE

52.9% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 35212 TO 40428
PROJECTED ANSWERS: 0 TO 0

L40 0 SEA SSS SAM L39

=> search l39 sss full
FULL SEARCH INITIATED 13:27:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 37339 TO ITERATE

100.0% PROCESSED 37339 ITERATIONS 81 ANSWERS
SEARCH TIME: 00.00.01

L41 81 SEA SSS FUL L39

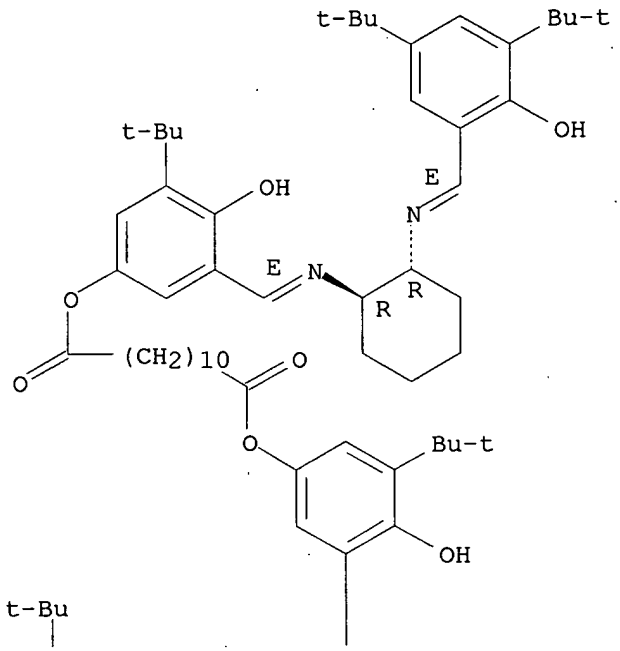
=> d scan

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS

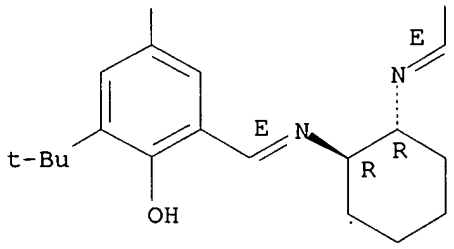
IN Dodecanedioic acid, bis[3-[(E)-[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-dimethylethyl)-4-hydroxyphenyl] ester (9CI)
MF C76 H110 N4 O8

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



PAGE 2-A

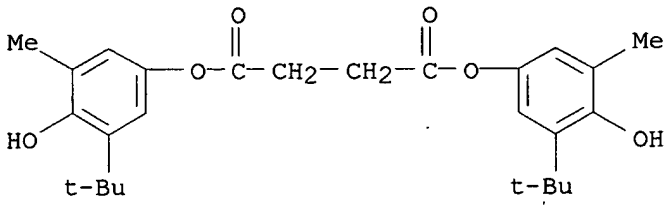


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

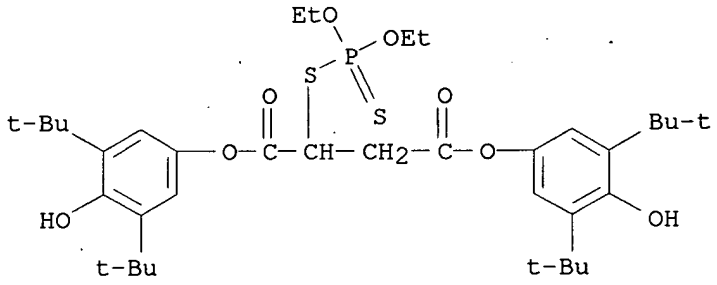
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Butanedioic acid, bis[3-(1,1-dimethylethyl)-4-hydroxy-5-methylphenyl] ester (9CI)

MF C26 H34 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

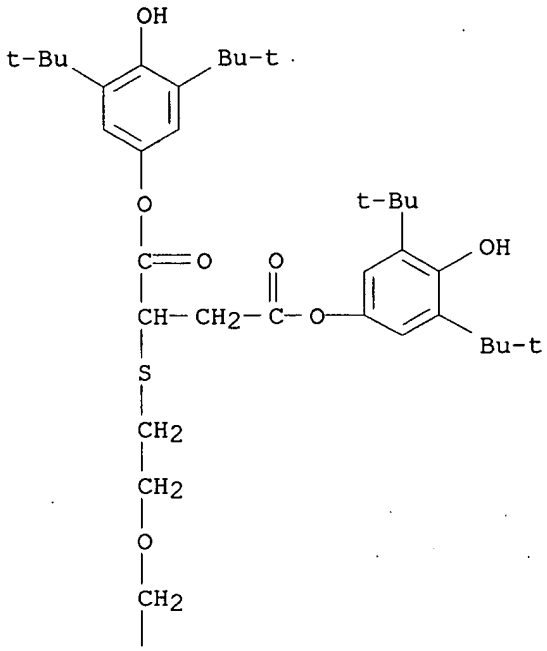
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, mercapto-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester, S-ester with O,O-diethyl phosphorodithioate (8CI)
MF C36 H55 O8 P S2



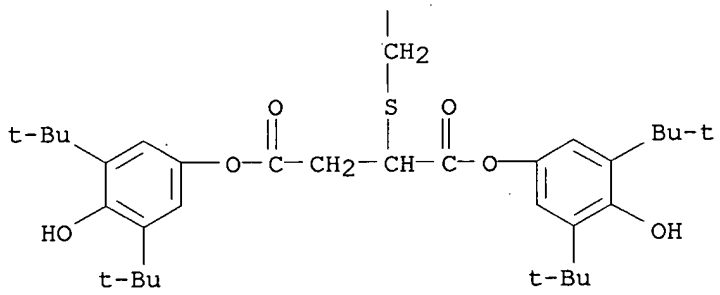
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, 2,2'-[oxybis(ethylenethio)]di-, tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C68 H98 O13 S2

PAGE 1-A



PAGE 2-A

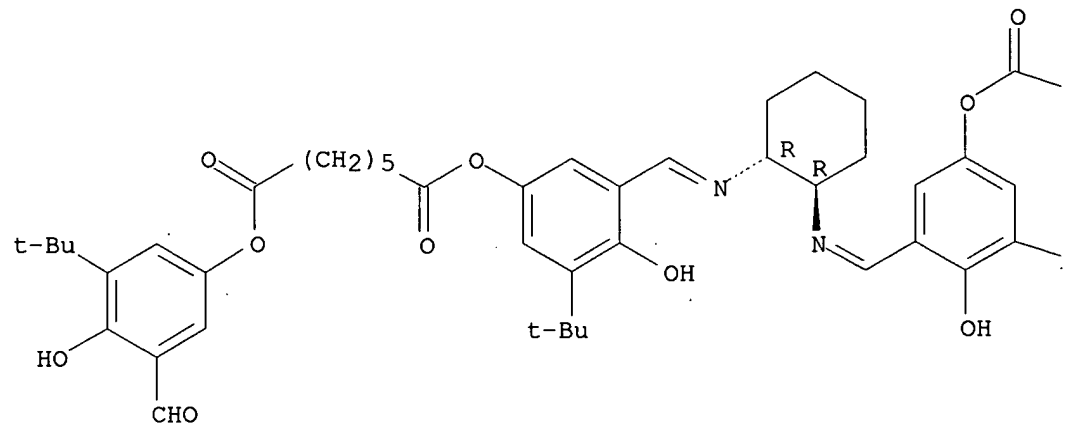


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

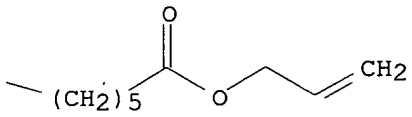
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanedioic acid, 3-(1,1-dimethylethyl)-5-[[[(1R,2R)-2-[[[3-(1,1-dimethylethyl)-5-[[7-[3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenoxy]-1,7-dioxoheptyl]oxy]-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-4-hydroxyphenyl 2-propenyl ester (9CI)
MF C56 H74 N2 O12

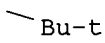
Absolute stereochemistry.
Double bond geometry unknown.

PAGE 1-A



PAGE 1-B



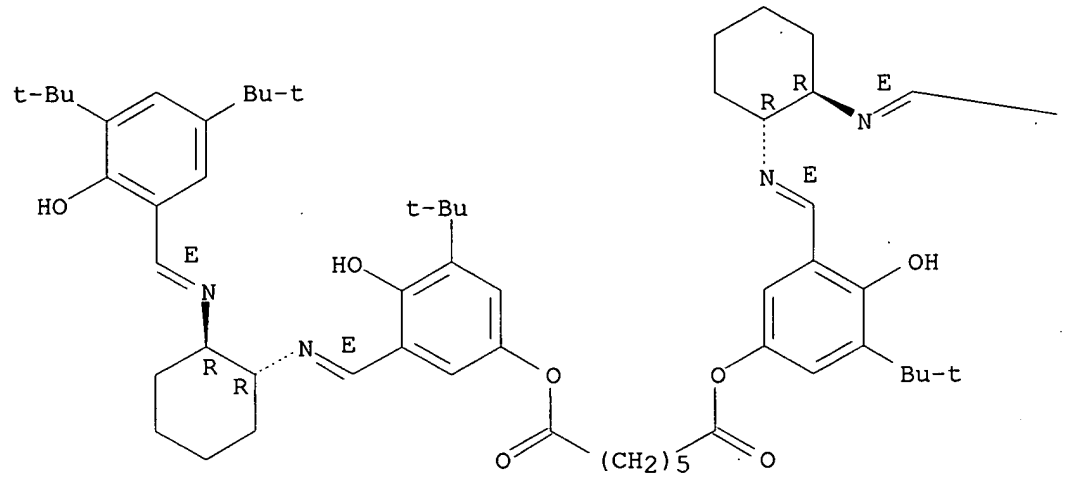


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

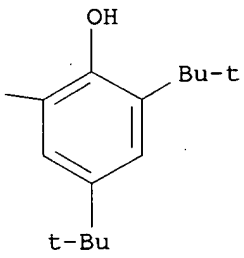
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanedioic acid, bis[3-[(E)-[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-dimethylethyl)-4-hydroxyphenyl] ester (9CI)
MF C71 H100 N4 O8

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A

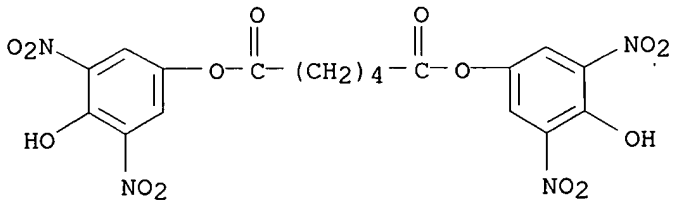


PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

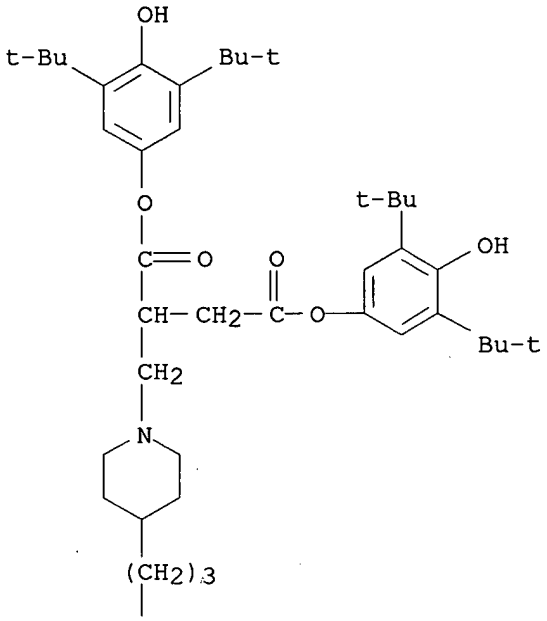
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanedioic acid, bis(4-hydroxy-3,5-dinitrophenyl) ester (9CI)
MF C18 H14 N4 O14



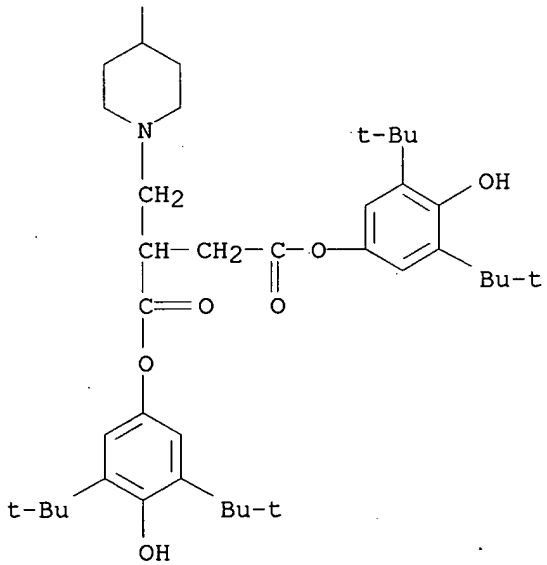
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, 2,2'-[trimethylenebis(4,1-piperidinediylmethylene)]di-, tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C79 H118 N2 O12

PAGE 1-A



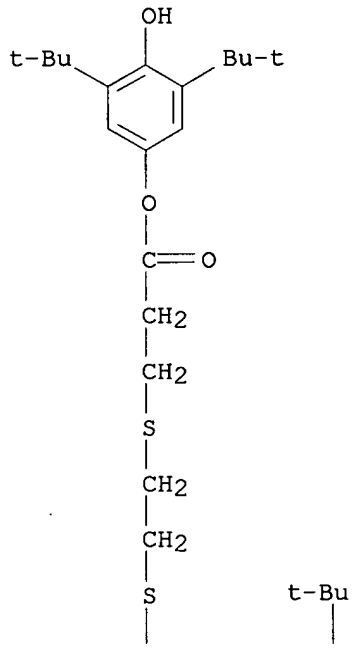
PAGE 2-A



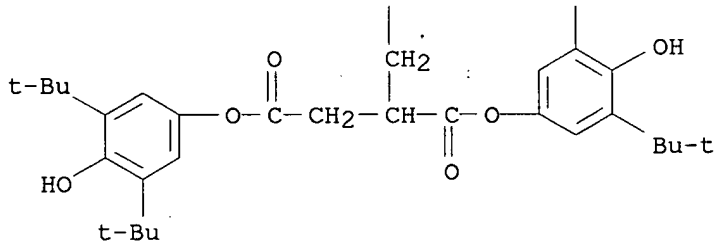
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, [[[2-[(2-carboxyethyl)thio]ethyl]thio]methyl]-, tris(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C52 H76 O9 S2

PAGE 1-A



PAGE 2-A



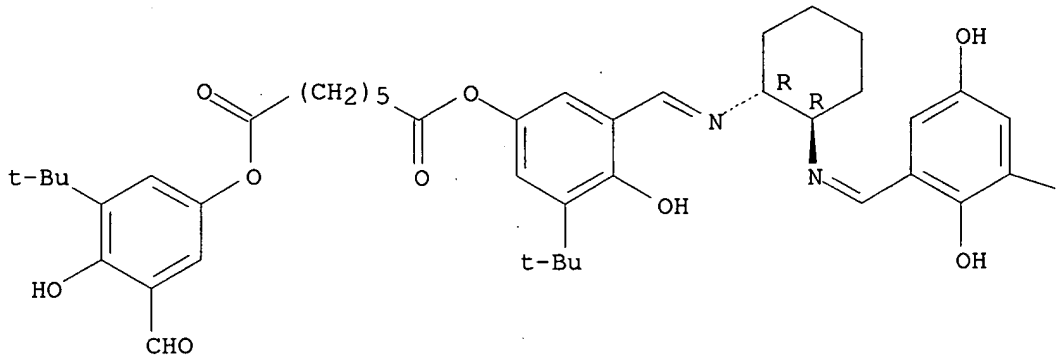
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanedioic acid, 3-(1,1-dimethylethyl)-5-[[[(1R,2R)-2-[[[3-(1,1-dimethylethyl)-2,5-dihydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-4-hydroxyphenyl 3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenyl ester

(9CI)
MF C46 H60 N2 O9

Absolute stereochemistry.
Double bond geometry unknown.

PAGE 1-A



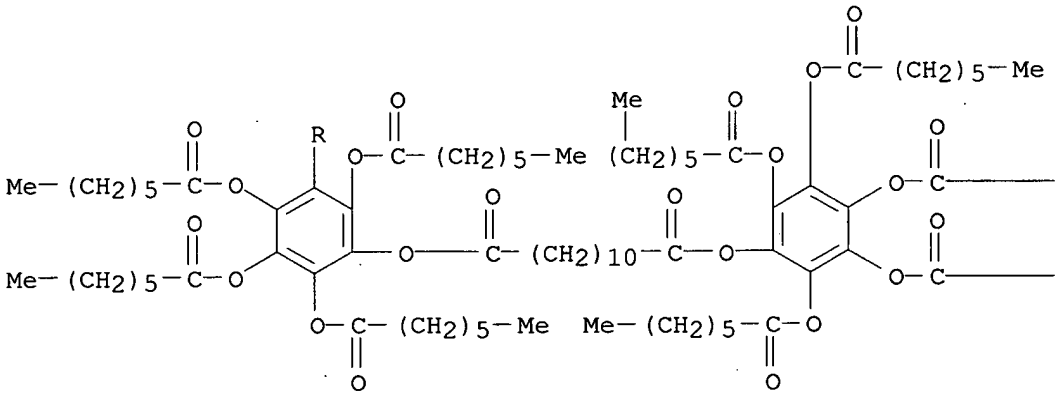
PAGE 1-B

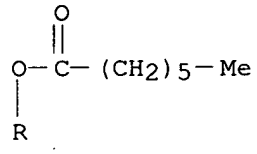
Bu-t

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
MF C94 H150 O24

PAGE 1-A





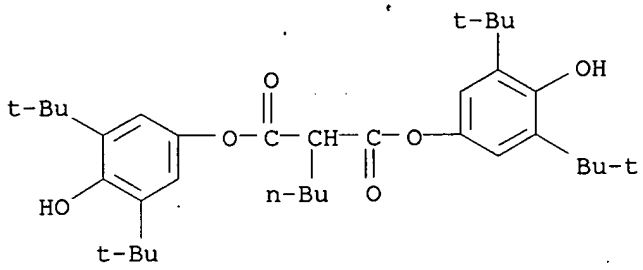
PAGE 1-B

— $(CH_2)_5$ — Me

— $(CH_2)_5$ — Me

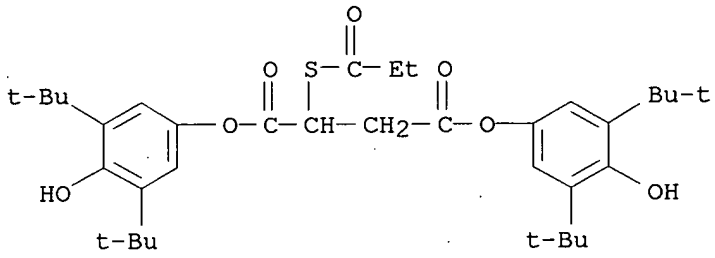
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Malonic acid, butyl-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C35 H52 O6



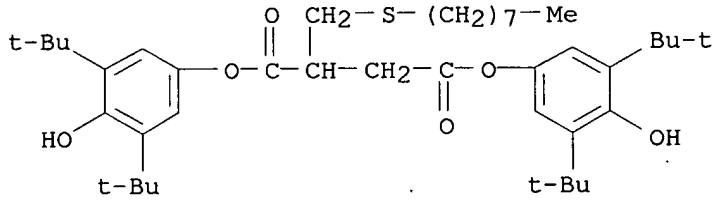
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, mercapto-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester, 2-propionate (8CI)
MF C35 H50 O7 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, [(octylthio)methyl]-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C41 H64 O6 S

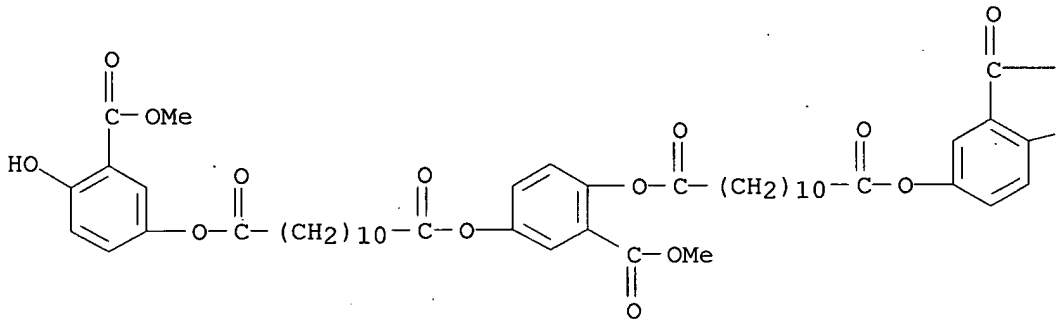


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, 2-(methoxycarbonyl)-1,4-phenylene bis[4-hydroxy-3-(methoxycarbonyl)phenyl] ester (9CI)

MF C48 H60 O16

PAGE 1-A



PAGE 1-B

— OMe

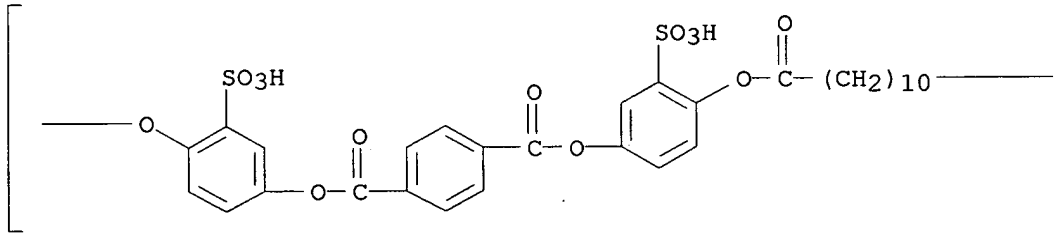
— OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

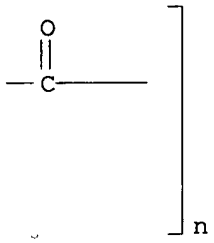
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Poly[oxy(2-sulfo-1,4-phenylene)oxycarbonyl-1,4-phenylenecarbonyloxy(3-sulfo-1,4-phenylene)oxy(1,12-dioxo-1,12-dodecanediyl) dipotassium salt] (9CI)
MF (C32 H32 O14 S2)n . 2 K
CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK

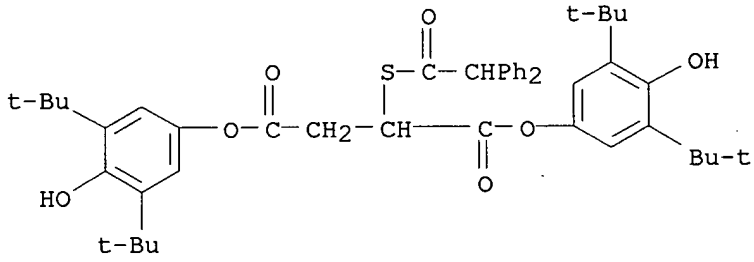
PAGE 1-A



●2 K



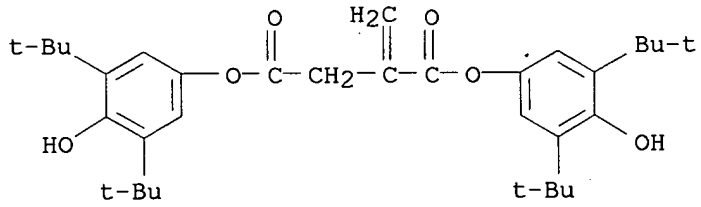
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, mercapto-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester, 2-(diphenylacetate) (8CI)
MF C46 H56 O7 S



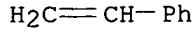
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, methylene-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester, polymer with styrene (8CI)
MF (C33 H46 O6 . C8 H8)x
CI PMS

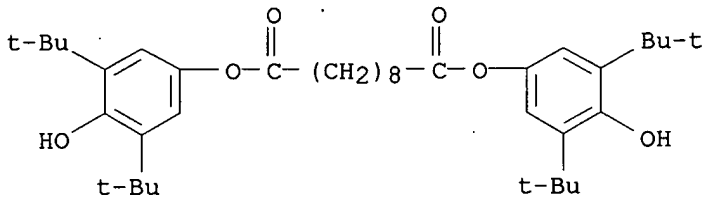
CM 1



CM 2

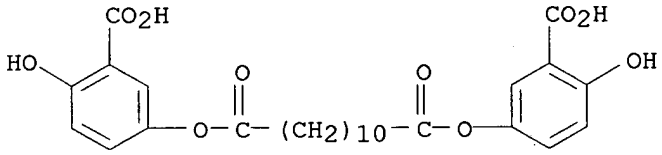


L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Decanedioic acid, bis[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl] ester (9CI)
MF C38 H58 O6



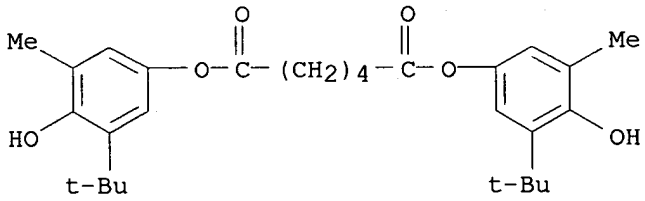
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis(3-carboxy-4-hydroxyphenyl) ester (9CI)
MF C26 H30 O10



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

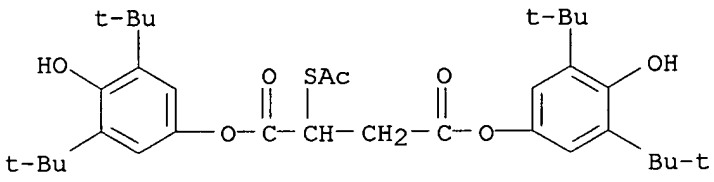
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanedioic acid, bis[3-(1,1-dimethylethyl)-4-hydroxy-5-methylphenyl] ester (9CI)
MF C28 H38 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

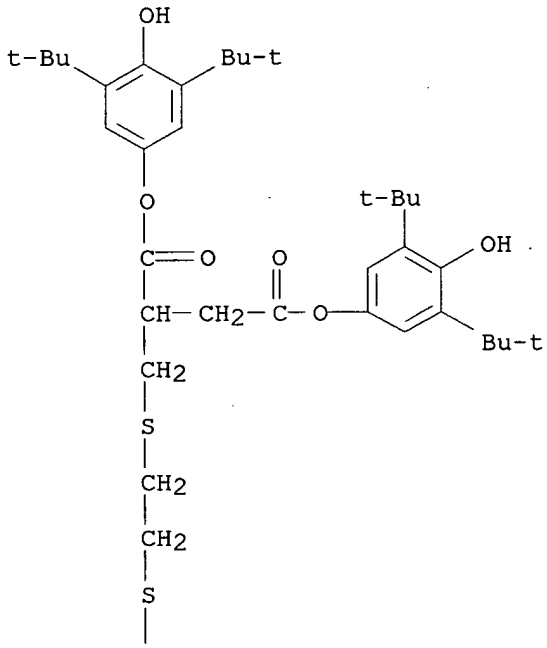
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, mercapto-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester, 2-acetate (8CI)
MF C34 H48 O7 S

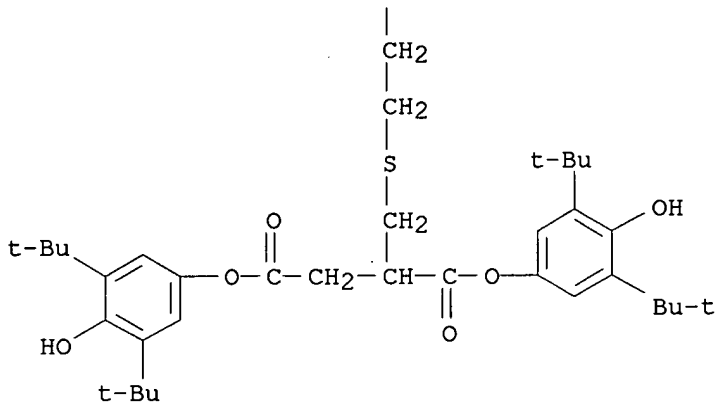


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, 2,2'-[thiobis(ethylenethiomethylene)]di-, tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C70 H102 O12 S3



PAGE 2-A



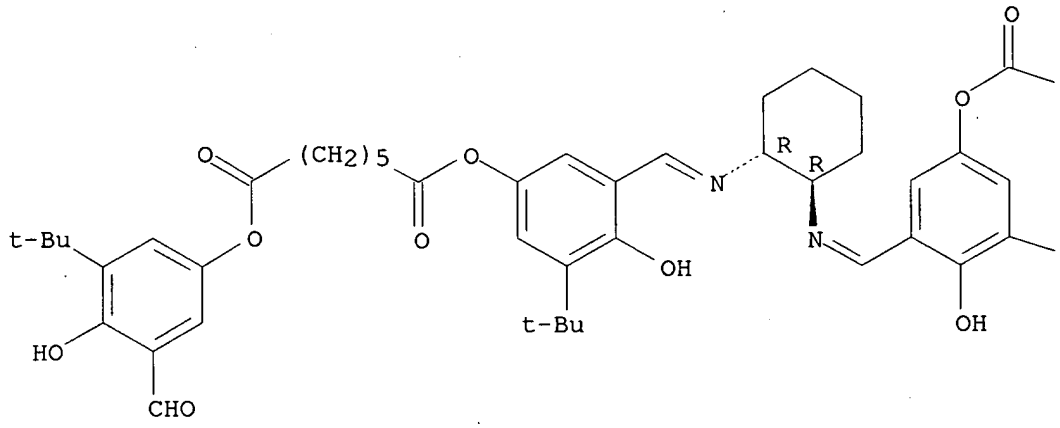
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

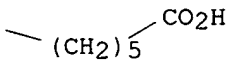
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanedioic acid,
3-[[[(1R,2R)-2-[[[5-[(6-carboxy-1-oxohexyl)oxy]-3-(1,1-

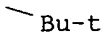
dimethylethyl)-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-
(1,1-dimethylethyl)-4-hydroxyphenyl 3-(1,1-dimethylethyl)-5-formyl-4-
hydroxyphenyl ester (9CI)
MF C53 H70 N2 O12

Absolute stereochemistry.
Double bond geometry unknown.

PAGE 1-A



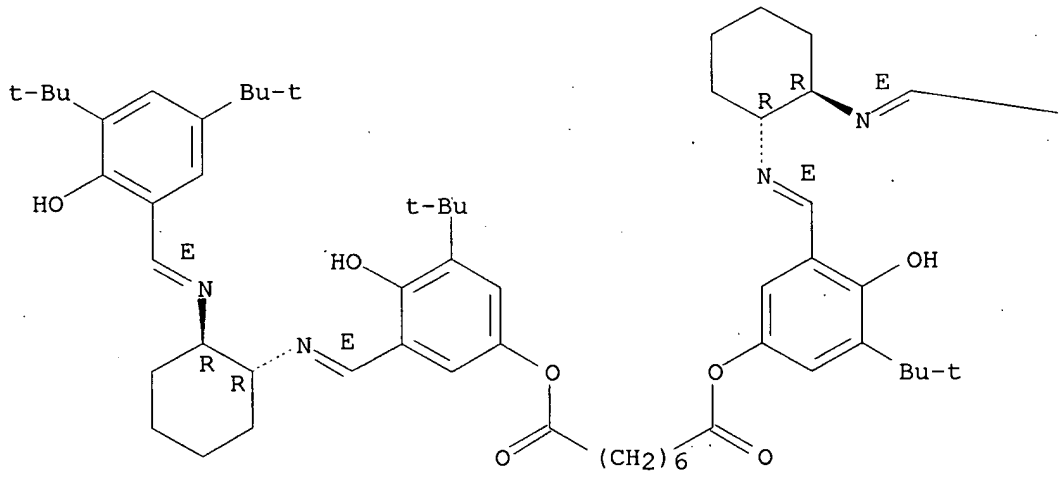


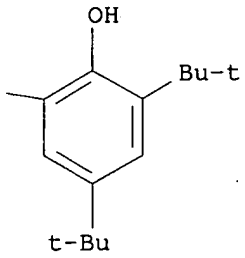


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanedioic acid,
bis[3-[(E)-[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-
2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-
dimethylethyl)-4-hydroxyphenyl] ester (9CI)
MF C72 H102 N4 O8

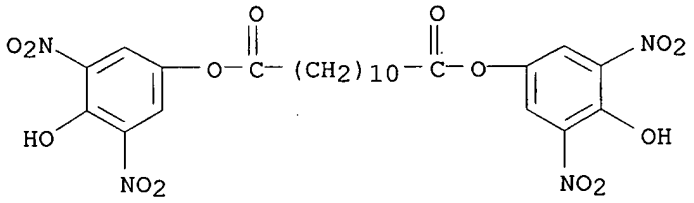
Absolute stereochemistry.
Double bond geometry as shown.





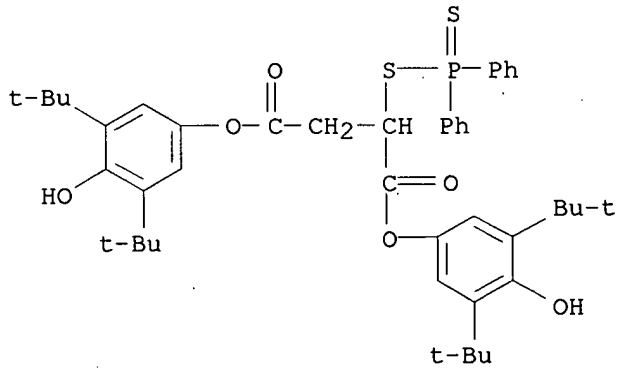
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis(4-hydroxy-3,5-dinitrophenyl) ester (9CI)
MF C24 H26 N4 O14



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

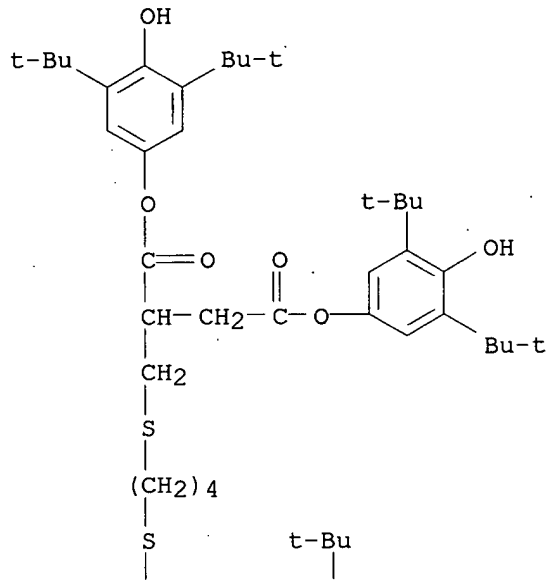
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, mercapto-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester, 2-(diphenylphosphinodithioate) (8CI)
MF C44 H55 O6 P S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, 2,2'-[tetramethylenebis(thiomethylene)]di-, tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C70 H102 O12 S2

PAGE 1-A



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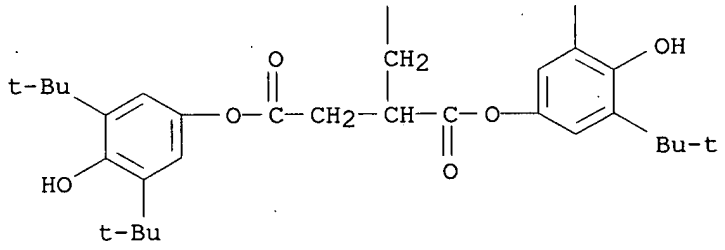
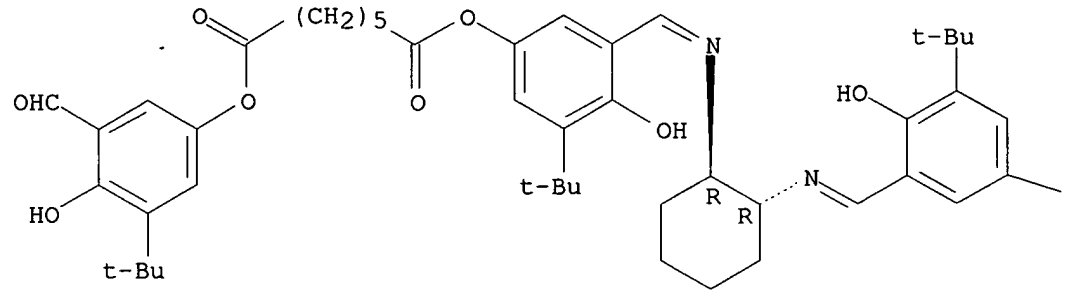


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

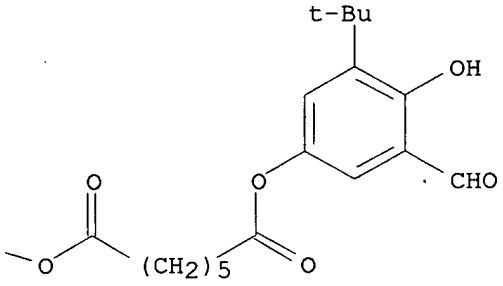
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanedioic acid, (1R,2R)-1,2-cyclohexanediylbis[nitrilomethylidyne[5-(1,1-dimethylethyl)-4-hydroxy-3,1-phenylene]] bis[3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenyl] ester (9CI)
MF C64 H82 N2 O14

Absolute stereochemistry.
Double bond geometry unknown.

PAGE 1-A



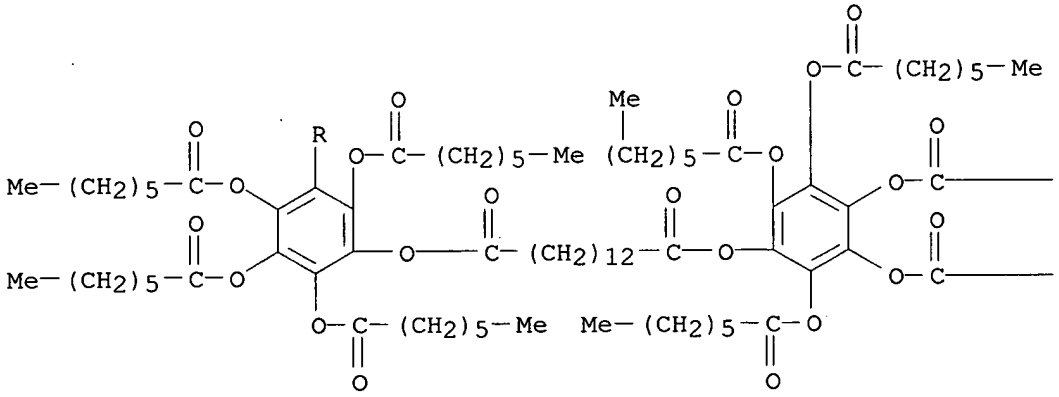
PAGE 1-B

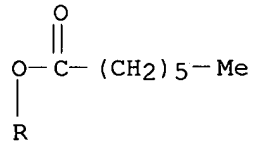


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Tetradecanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
MF C96 H154 O24

PAGE 1-A





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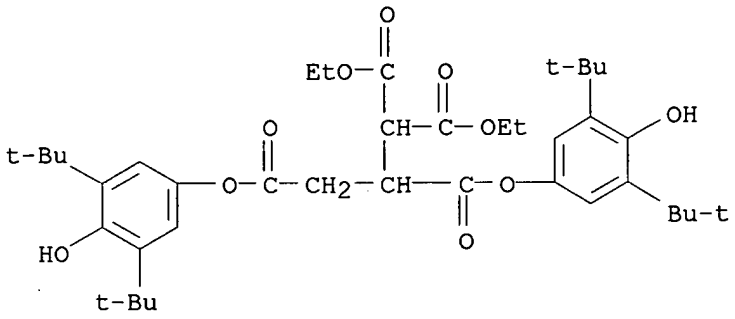
— $(CH_2)_5$ — Me

— $(CH_2)_5$ — Me

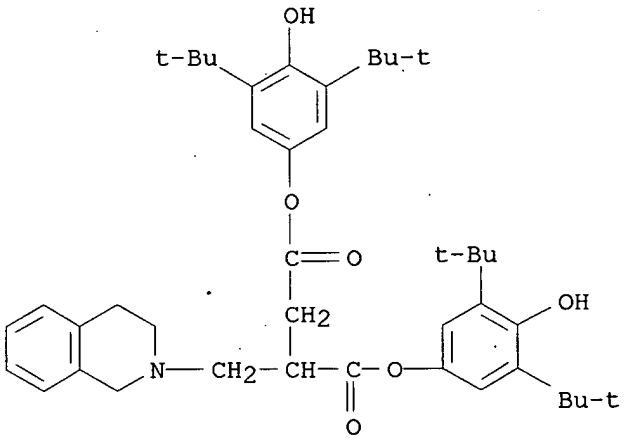
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1,1,2,3-Propanetetracarboxylic acid, 2,3-bis(3,5-di-tert-butyl-4-hydroxyphenyl) diethyl ester (8CI)
MF C39 H56 O10



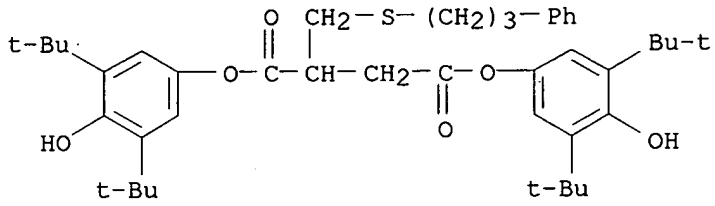
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, [(3,4-dihydro-2(1H)-isoquinolyl)methyl]-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C42 H57 N O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

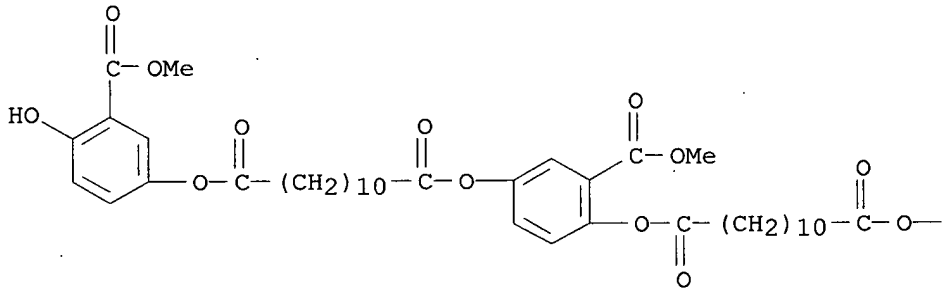
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, [[(3-phenylpropyl)thio]methyl]-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C42 H58 O6 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, 4-[[12-[4-hydroxy-3-(methoxycarbonyl)phenoxy]-1,12-dioxododecyl]oxy]-2-(methoxycarbonyl)phenyl 4-[[12-[4-hydroxy-3-(methoxycarbonyl)phenoxy]-1,12-dioxododecyl]oxy]-3-(methoxycarbonyl)phenyl ester (9CI)
MF C68 H86 O22

PAGE 1-A



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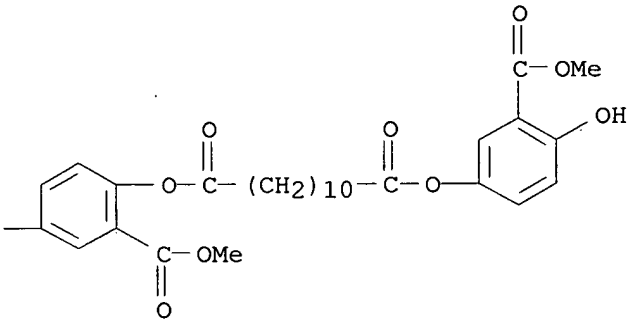

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 3,6-Nonadienedioic acid, 5,5-bis[4-[3,5-bis(1,1-dimethylethyl)-4-

hydroxyphenoxy]-4-oxo-1-butenyl]-, bis[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl] ester (9CI)

MF C73 H100 O12

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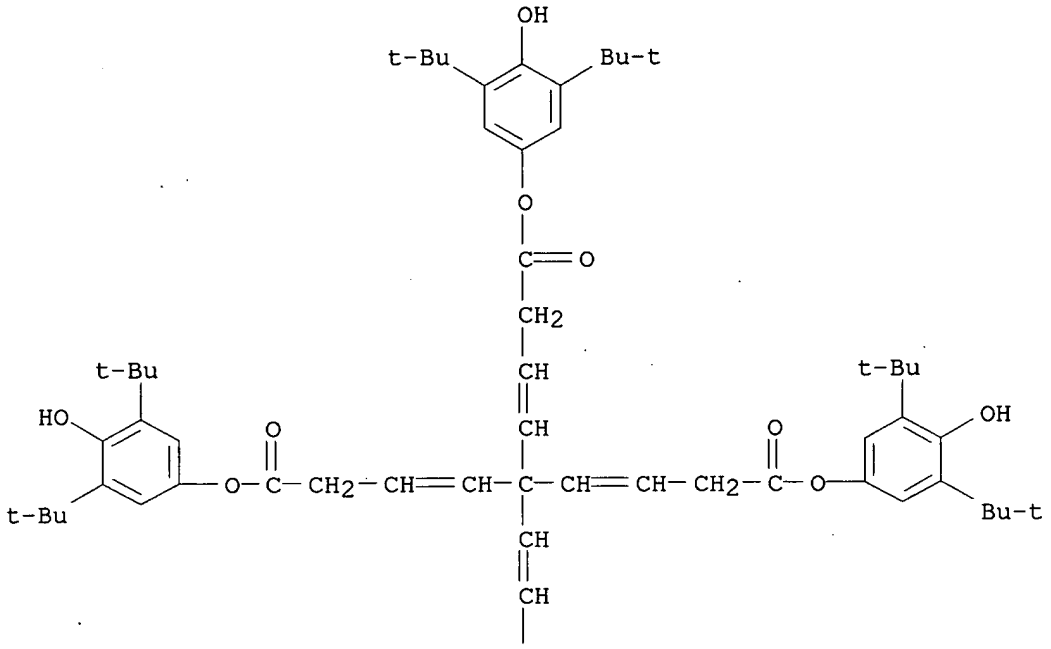

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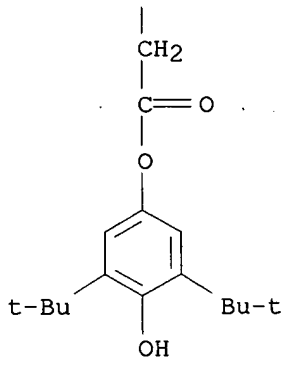
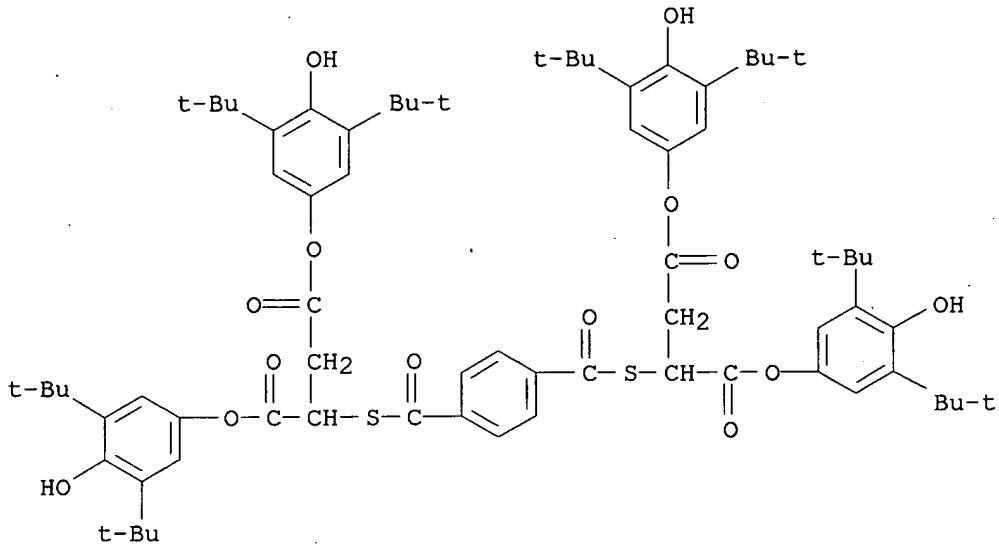


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS

IN Terephthalic acid, 1,4-dithio-, S,S-diester with bis(3,5-di-tert-butyl-4-hydroxyphenyl) mercaptosuccinate (8CI)

MF C72 H94 O14 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, 2,2'-[ethylenebis(thiomethylene)]di-, tetrakis(3,5-di-tert-
butyl-4-hydroxyphenyl) ester (8CI)
MF C68 H98 O12 S2

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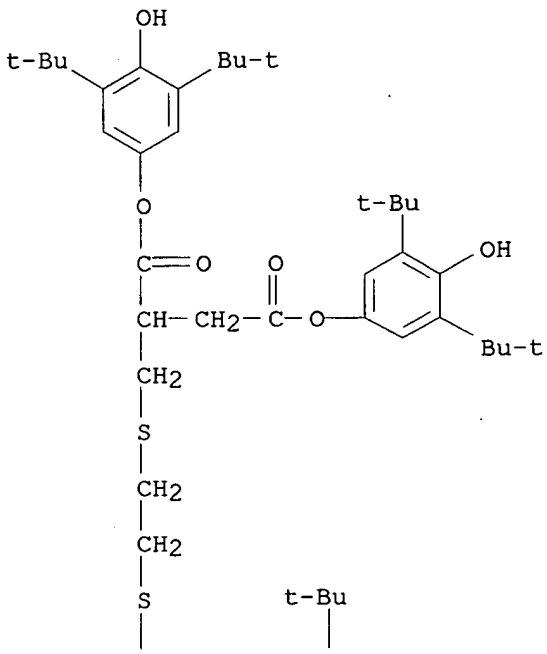

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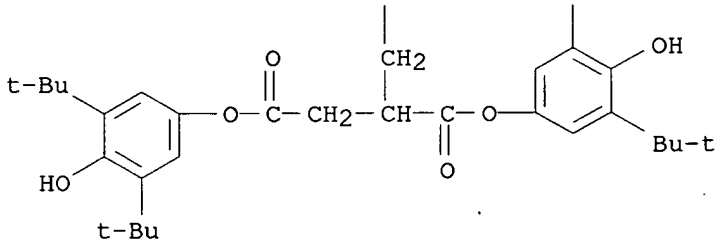
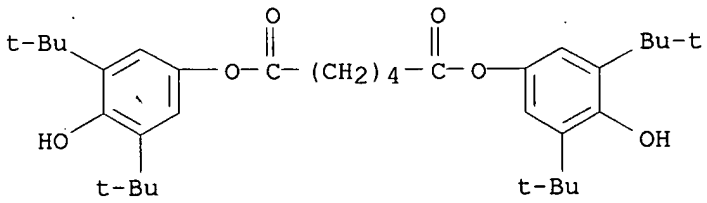


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

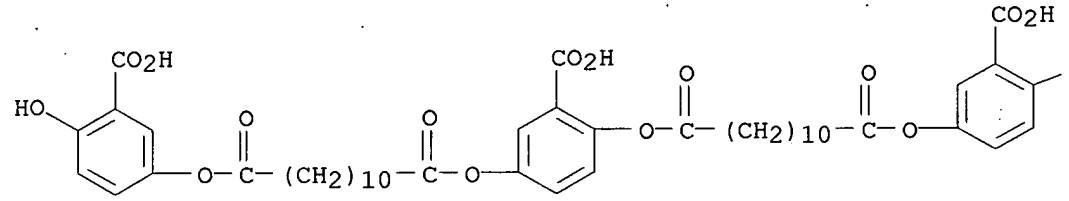
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Adipic acid, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (7CI, 8CI)
MF C34 H50 O6



PROPERTY DATA AVAILÁBLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioïc acid, 2-carboxy-1,4-phenylene bis(3-carboxy-4-hydroxyphenyl) ester (9CI)
MF C45 H54 O16

PAGE 1-A



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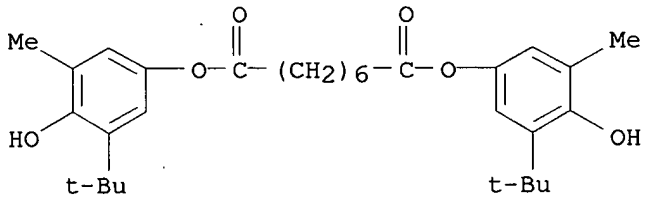
OH

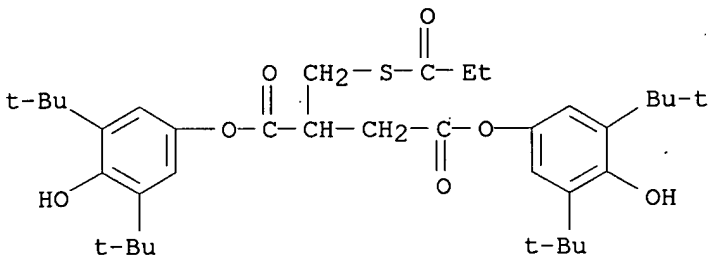
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanedioic acid, bis[3-(1,1-dimethylethyl)-4-hydroxy-5-methylphenyl] ester (9CI)
MF C30 H42 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

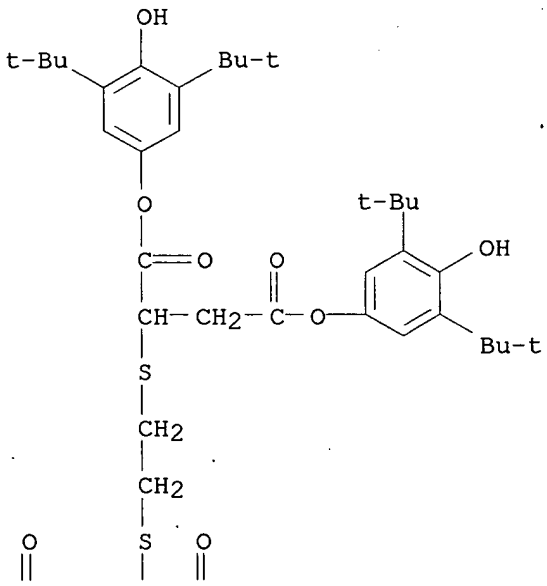
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, (mercaptomethyl)-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester, 2-propionate (8CI)
MF C36 H52 O7 S



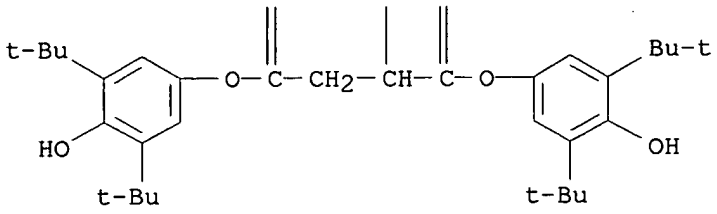
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, (ethylenedithio)di-, tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C66 H94 O12 S2



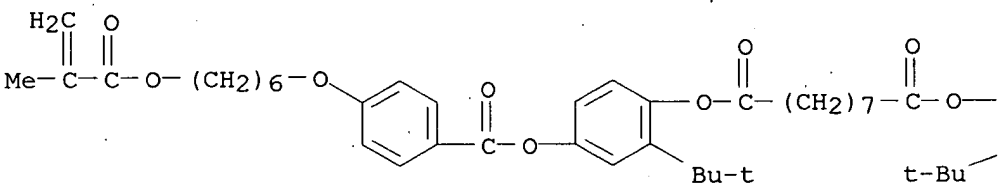
PAGE 2-A



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Nonanedioic acid, bis[2-(1,1-dimethylethyl)-4-[[4-[[6-[(2-methyl-1-oxo-2-propenyl)oxy]hexyl]oxy]benzoyl]oxy]phenyl] ester (9CI)
MF C63 H80 O14

PAGE 1-A



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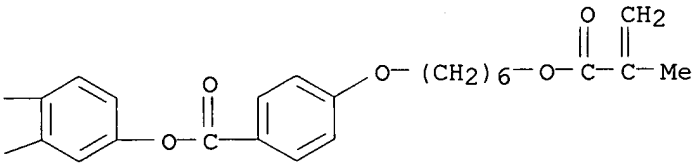
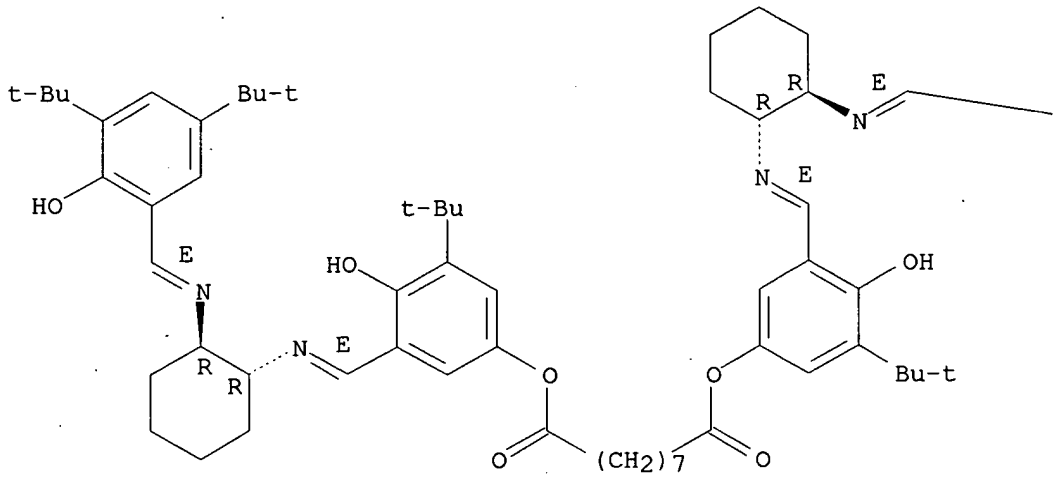


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Nonanedioic acid,
bis[3-[(E)-[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-dimethylethyl)-4-hydroxyphenyl] ester (9CI)
MF C73 H104 N4 O8

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



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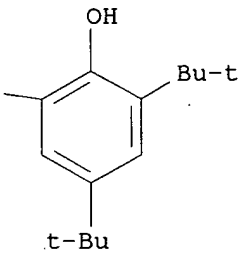
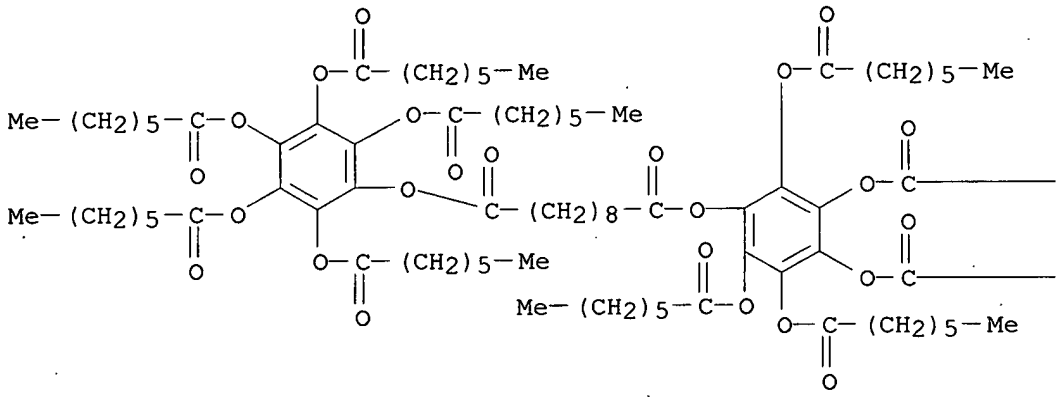


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Decanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
MF C92 H146 O24

PAGE 1-A



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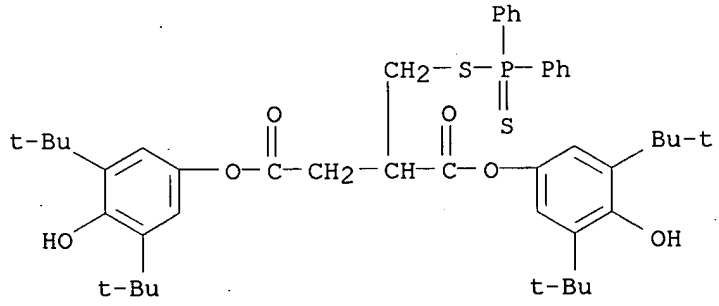
— $(CH_2)_5$—Me

— $(CH_2)_5$—Me

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

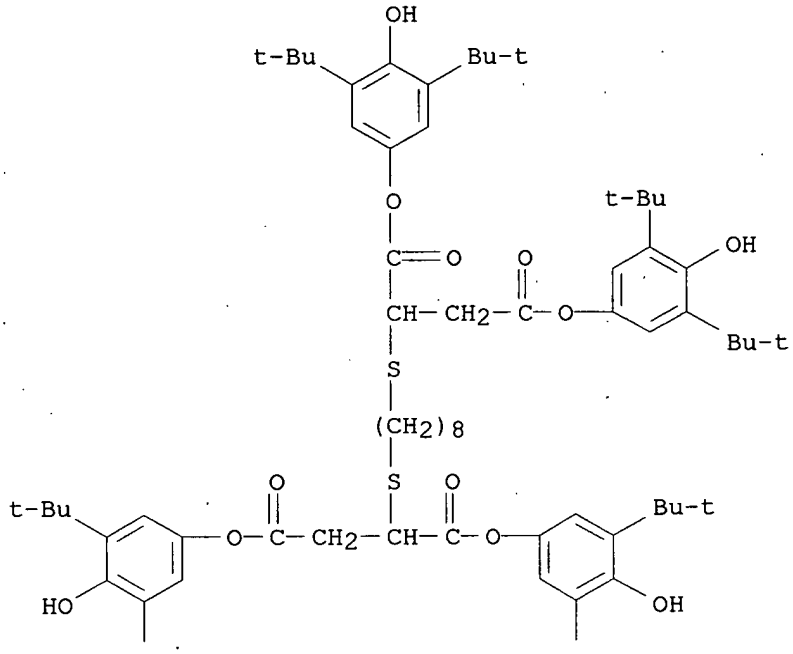
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, (mercaptomethyl)-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester, 2-(diphenylphosphinodithioate) (8CI)
MF C45 H57 O6 P S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, 2,2'-(octamethylenedithio)di-, tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C72 H106 O12 S2

PAGE 1-A



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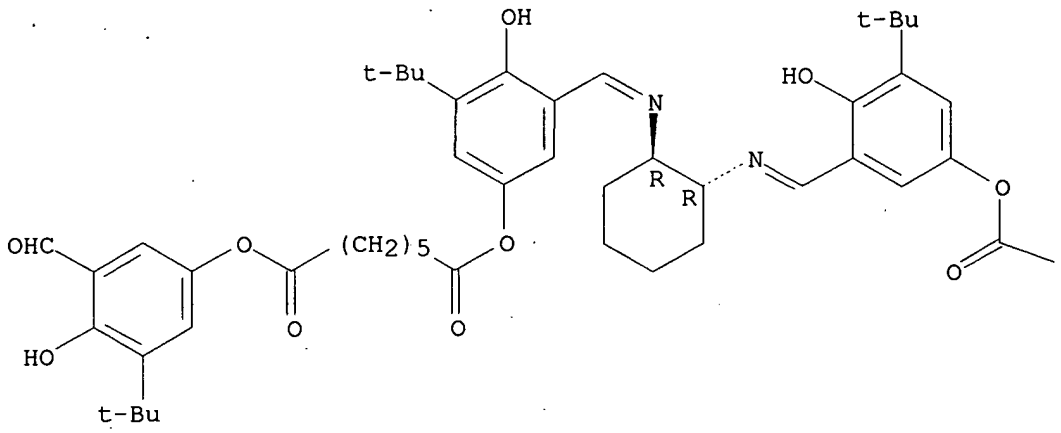
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanedioic acid, bis[3-(1,1-dimethylethyl)-5-[[[(1R,2R)-2-[[[3-(1,1-dimethylethyl)-5-[[7-[3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenoxy]-1,7-dioxoheptyl]oxy]-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-4-hydroxyphenyl] ester (9CI)
MF C99 H128 N4 O20

Absolute stereochemistry.

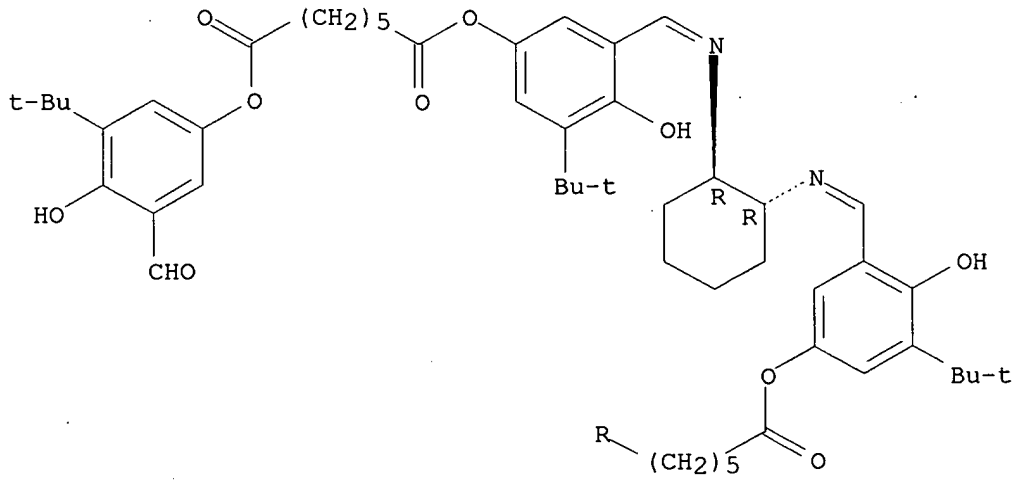
Double bond geometry unknown.

PAGE 1-A



PAGE 1-B

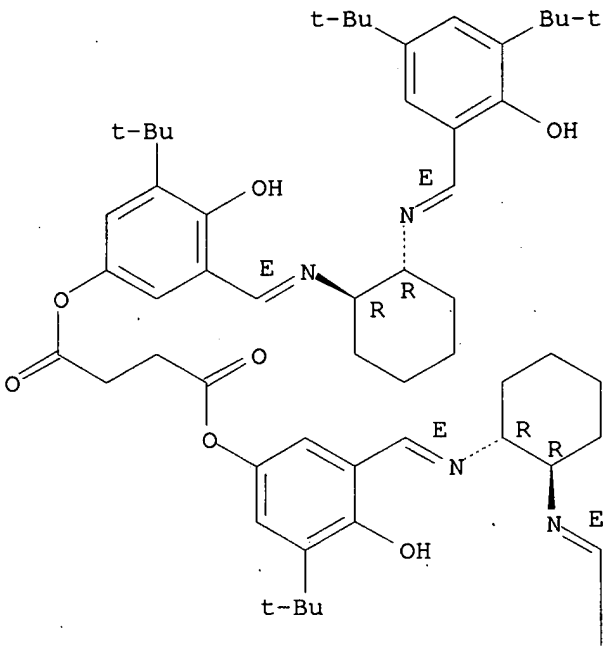
PAGE 2-A



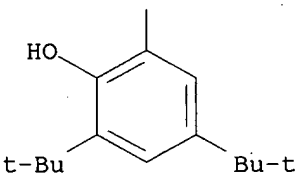
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Butanedioic acid,
bis[3-[(E)-[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-
2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-
dimethylethyl)-4-hydroxyphenyl] ester (9CI)
MF C68 H94 N4 O8

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A

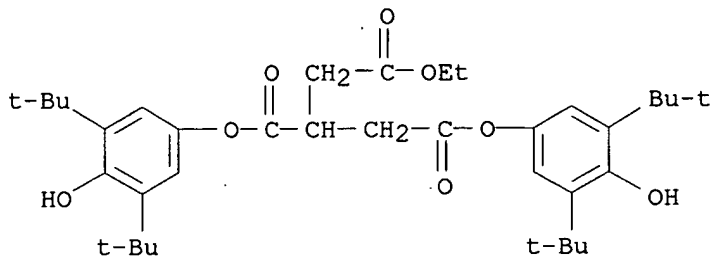


PAGE 2-A



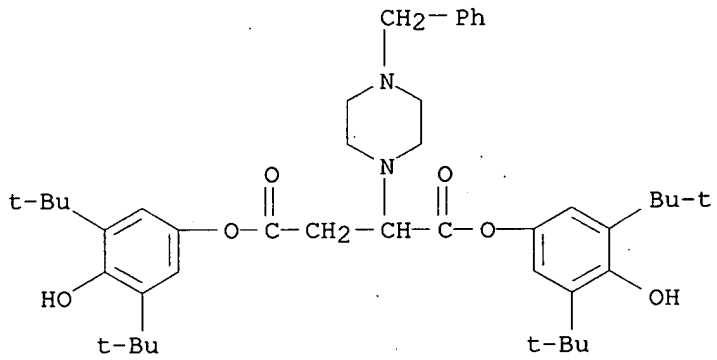
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1,2,3-Propanetricarboxylic acid, 1,2-bis(3,5-di-tert-butyl-4-
hydroxyphenyl) ethyl ester (8CI)
MF C36 H52 O8



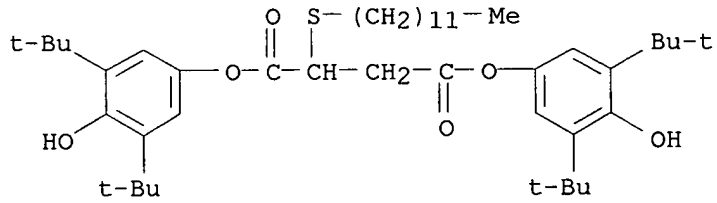
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1-Piperazinesuccinic acid, 4-benzyl-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C43 H60 N2 O6



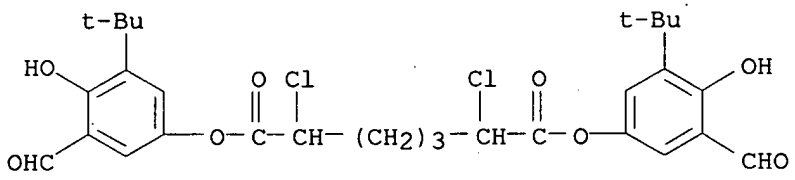
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, (dodecylthio)-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C44 H70 O6 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanedioic acid, 2,6-dichloro-, bis[3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenyl] ester (9CI)
MF C29 H34 Cl2 O8



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
MF C88 H138 O24

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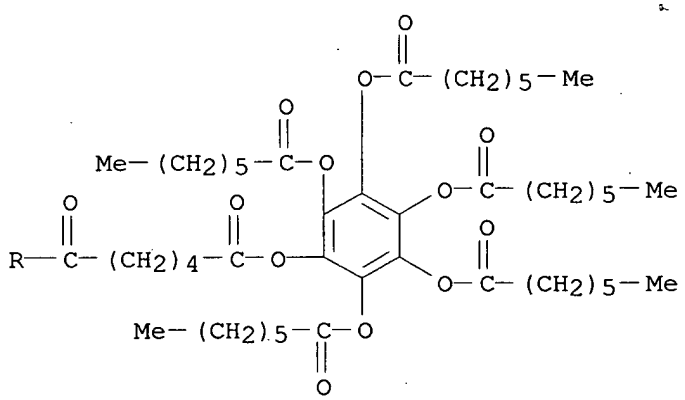

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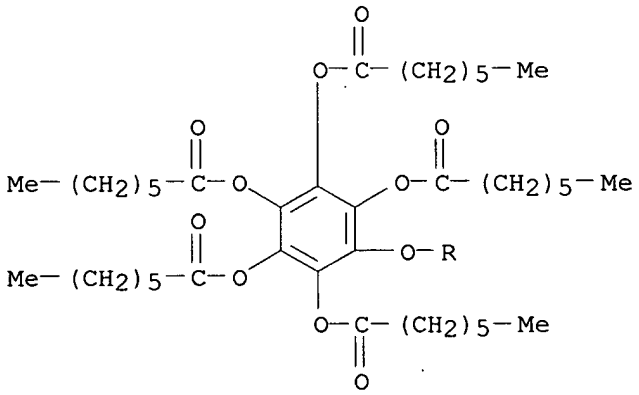
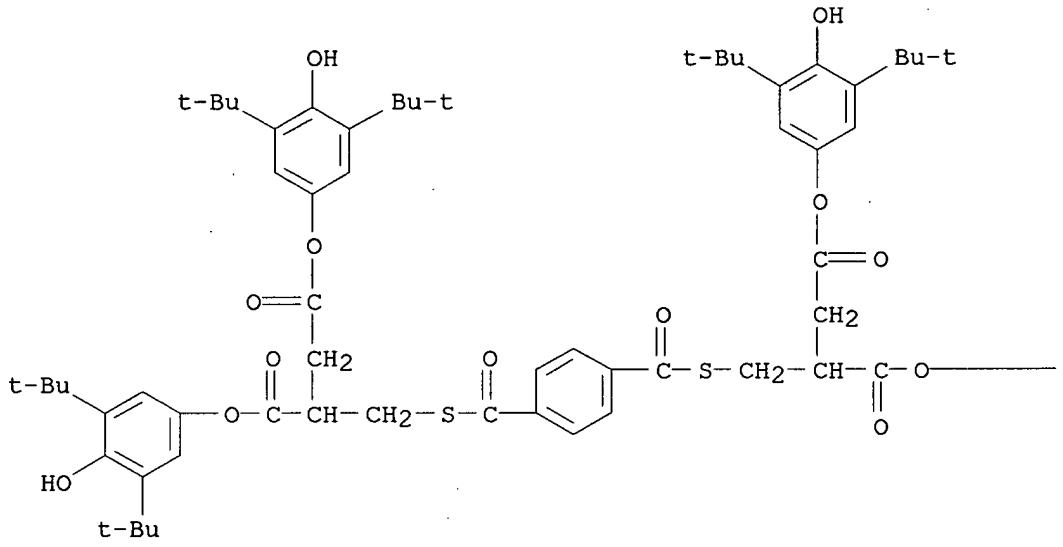


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Terephthalic acid, 1,4-dithio-, S,S-diester with bis(3,5-di-tert-butyl-4-hydroxyphenyl) (mercaptomethyl)succinate (8CI)
MF C74 H98 O14 S2

PAGE 1-A



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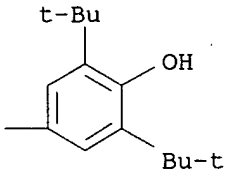
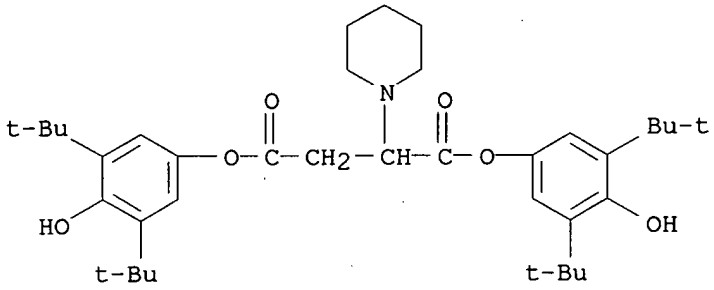


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

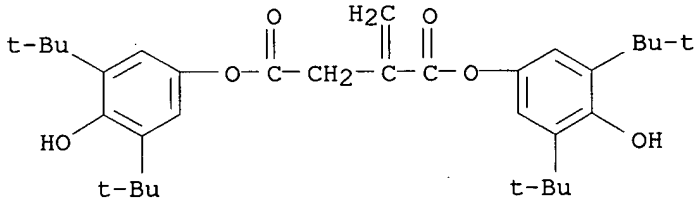
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS

IN 1-Piperidinesuccinic acid, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C37 H55 N O6



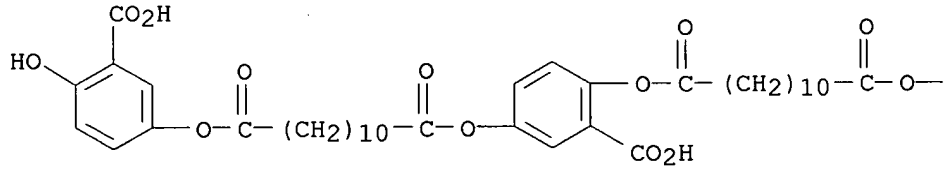
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

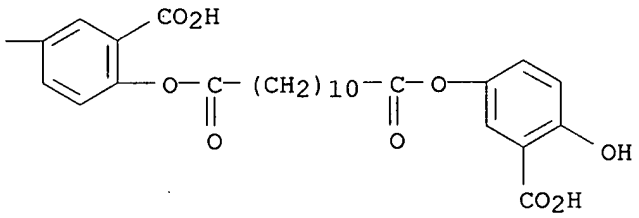
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, methylene-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C33 H46 O6
CI COM



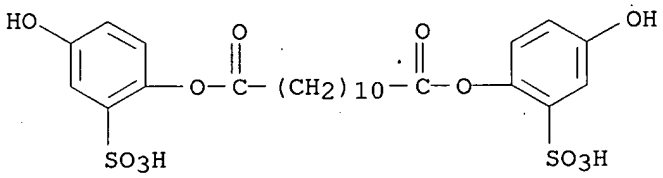
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, 2-carboxy-4-[[12-(3-carboxy-4-hydroxyphenoxy)-1,12-dioxododecyl]oxy]phenyl
3-carboxy-4-[[12-(3-carboxy-4-hydroxyphenoxy)-1,12-dioxododecyl]oxy]phenyl ester (9CI)
MF C64 H78 O22



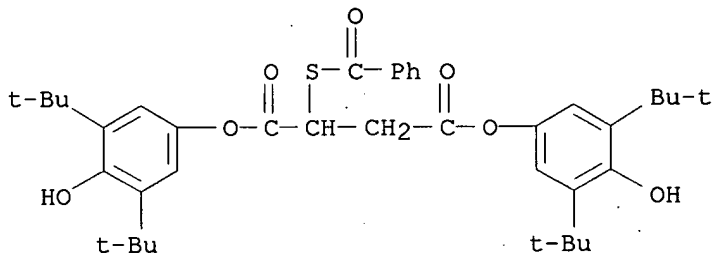


L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis(4-hydroxy-2-sulfophenyl) ester, dipotassium salt (9CI)
MF C24 H30 O12 S2 . 2 K
CI COM



●2 K

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, mercapto-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester, 2-benzoate (8CI)
MF C39 H50 O7 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, 2,2'-[thiobis(ethylenethio)]di-, tetrakis(3,5-di-tert-butyl-

4-hydroxyphenyl) ester (8CI)
MF C68 H98 O12 S3

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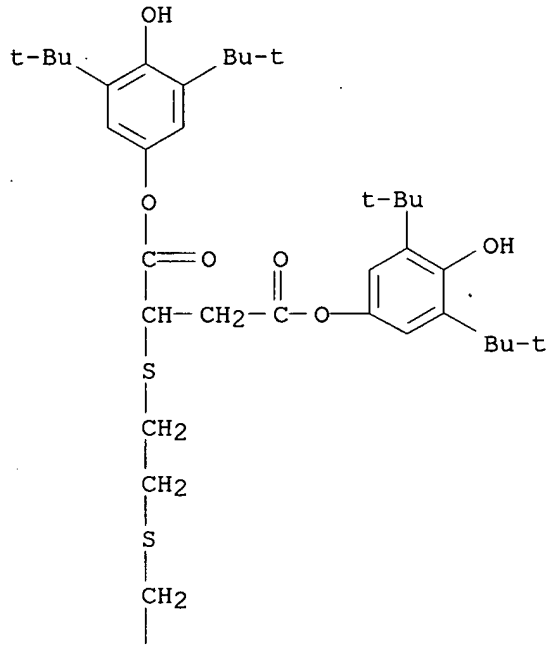

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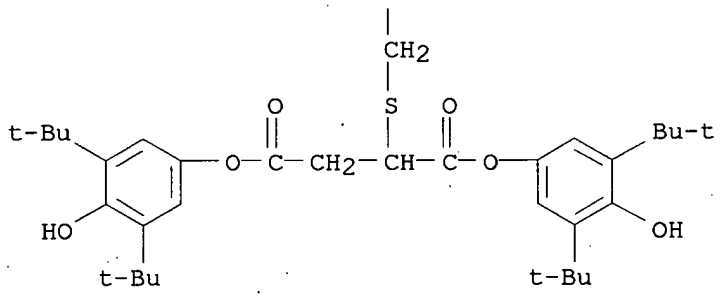
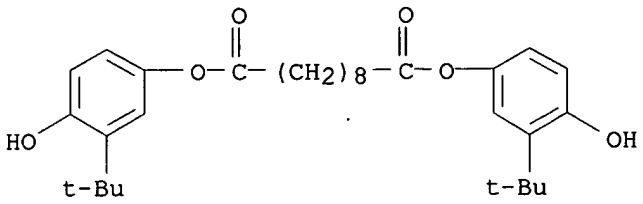


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):20

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Sebacic acid, bis(3-tert-butyl-4-hydroxyphenyl) ester (7CI, 8CI)
MF C30 H42 O6

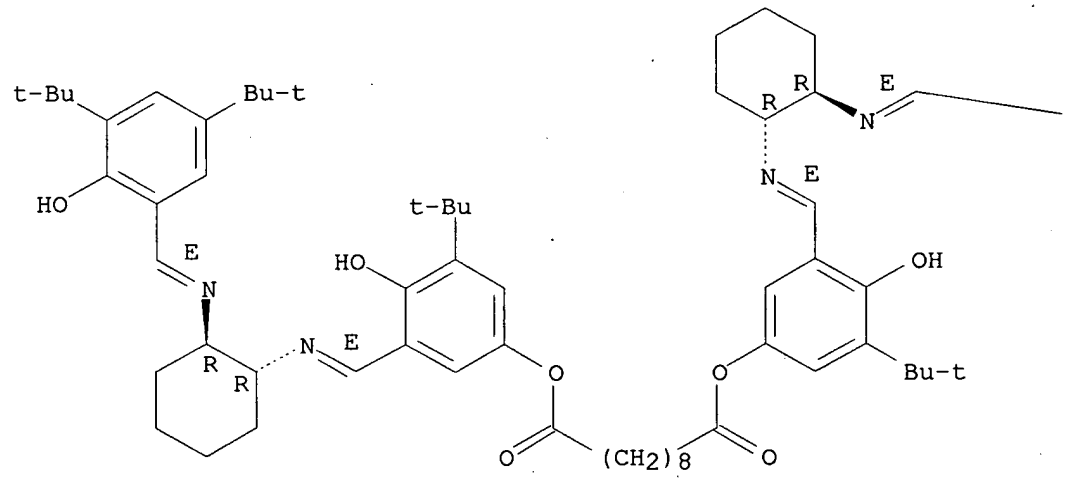


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Decanedioic acid,
bis[3-[(E)-[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-
2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-
dimethylethyl)-4-hydroxyphenyl] ester (9CI)
MF C74 H106 N4 O8

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-A



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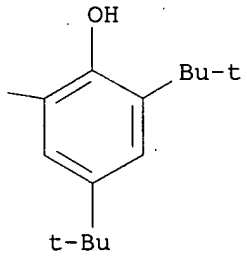
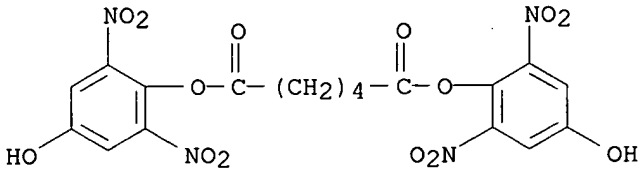


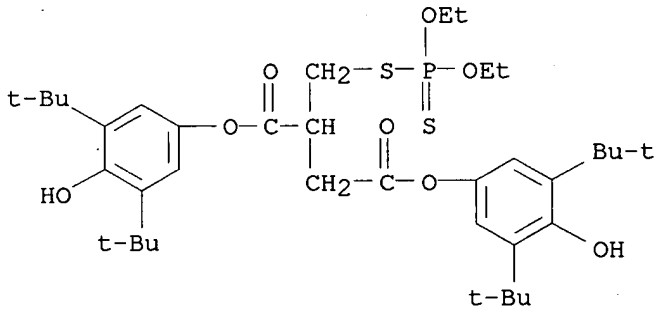
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanedioic acid, bis(4-hydroxy-2,6-dinitrophenyl) ester (9CI)
MF C18 H14 N4 O14



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

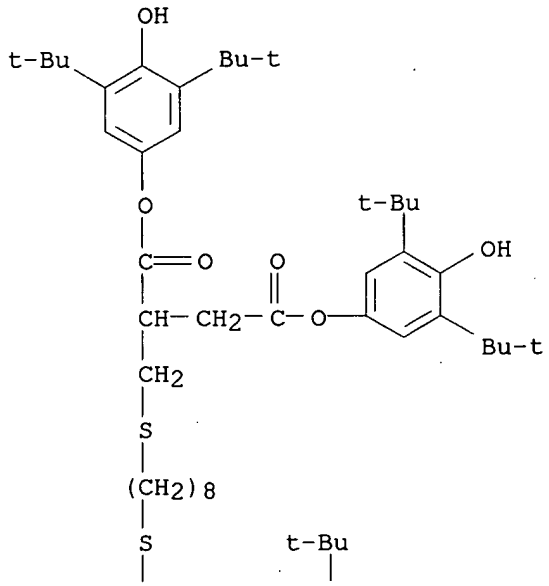
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, (mercaptomethyl)-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester, S-ester with O,O-diethyl phosphorodithioate (8CI)
MF C37 H57 O8 P S2



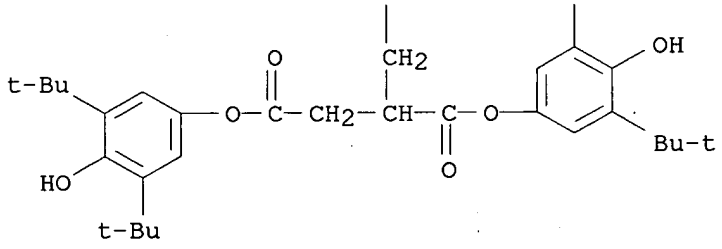
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, 2,2'-[(octamethylenebis(thiomethylene)]di-, tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C74 H110 O12 S2

PAGE 1-A



PAGE 2-A

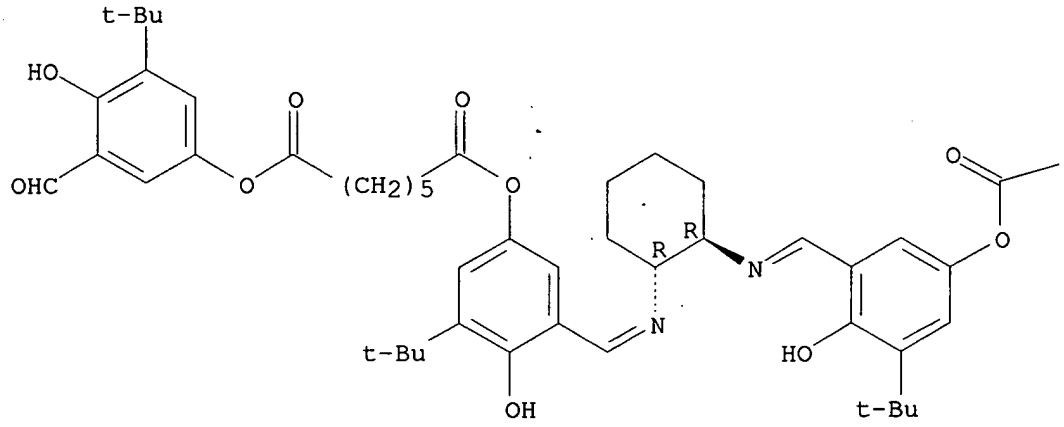


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

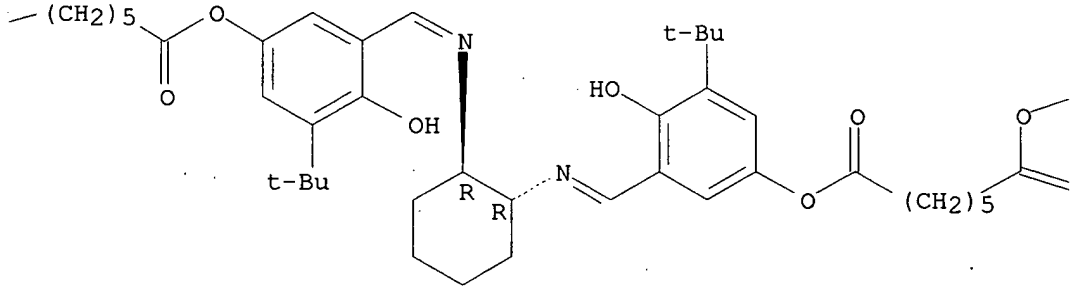
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanedioic acid, (1R,2R)-1,2-cyclohexanediylbis[nitrilomethylidyne[5-(1,1-dimethylethyl)-4-hydroxy-3,1-phenylene]] bis[3-(1,1-dimethylethyl)-5-[[[(1R,2R)-2-[[[3-(1,1-dimethylethyl)-5-[[7-[3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenoxy]-1,7-dioxoheptyl]oxy]-2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-4-hydroxyphenyl] ester (9CI)
MF C134 H174 N6 O26

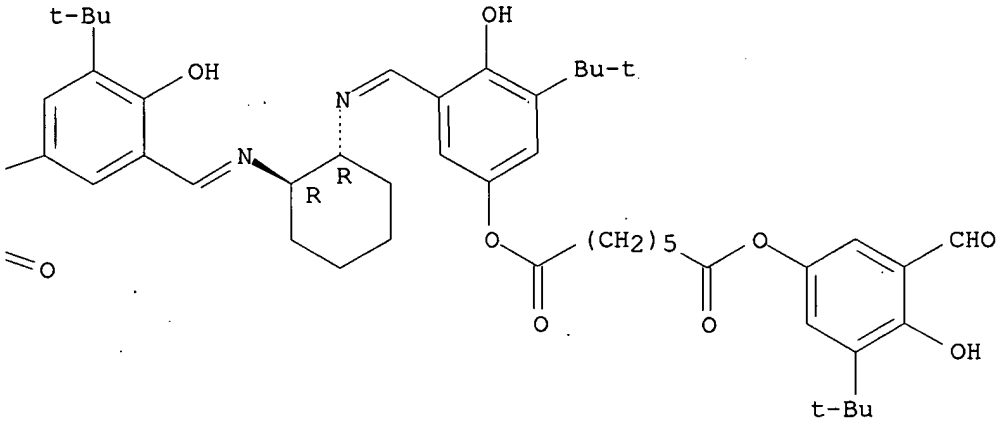
Absolute stereochemistry.
Double bond geometry unknown.

PAGE 1-A



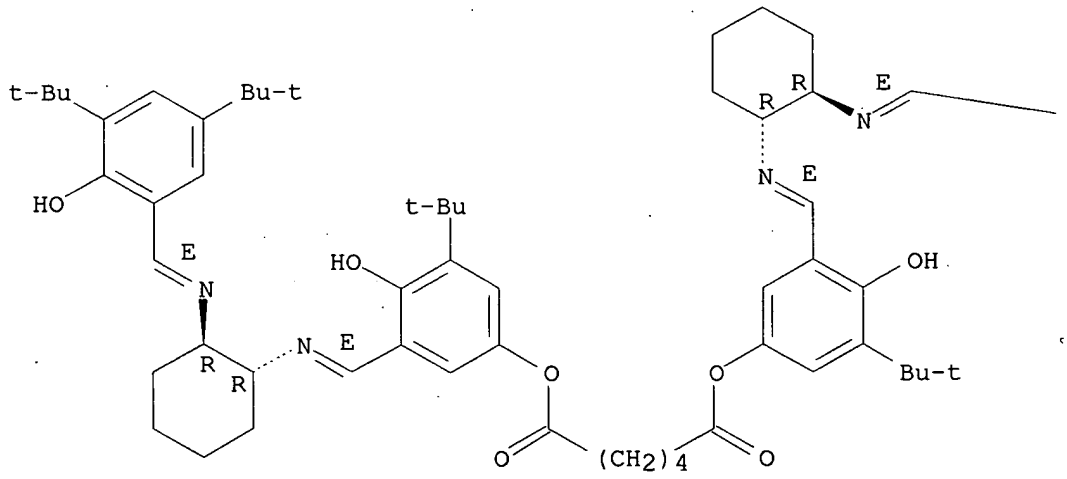
PAGE 1-B

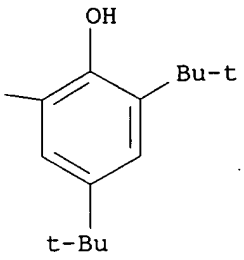




L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Hexanedioic acid,
bis[3-[(E)-[[(1R,2R)-2-[(E)-[[3,5-bis(1,1-dimethylethyl)-
2-hydroxyphenyl]methylene]amino]cyclohexyl]imino]methyl]-5-(1,1-
dimethylethyl)-4-hydroxyphenyl] ester (9CI)
MF C70 H98 N4 O8

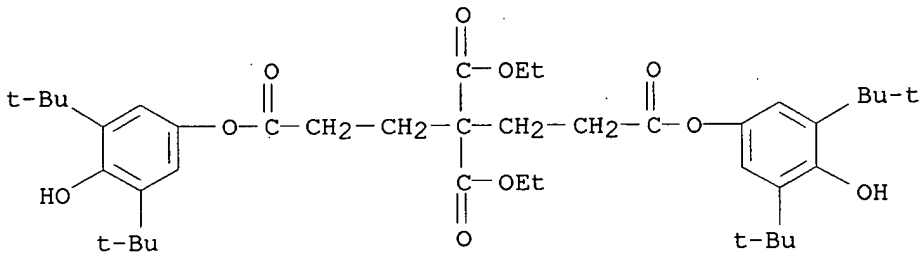
Absolute stereochemistry.
Double bond geometry as shown.





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN 1,3,3,5-Pentanetetracarboxylic acid, 1,5-bis(3,5-di-tert-butyl-4-hydroxyphenyl) diethyl ester (8CI)
MF C41 H60 O10



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, 2,2'-(1,4-piperazinediyldimethylene)di-, tetrakis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C70 H102 N2 O12

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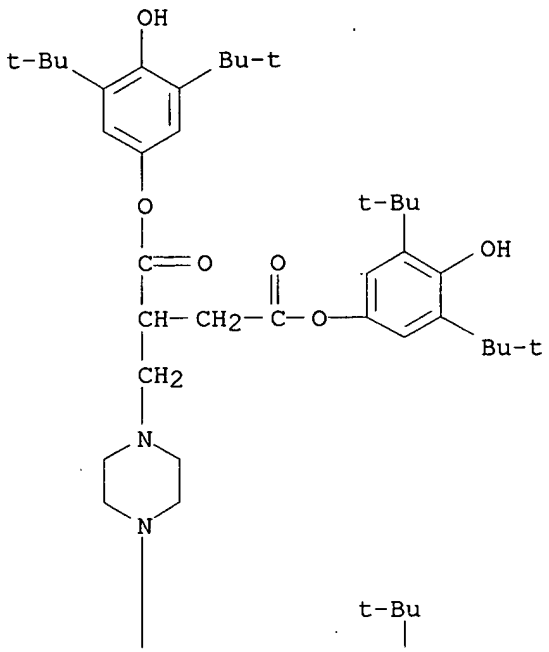

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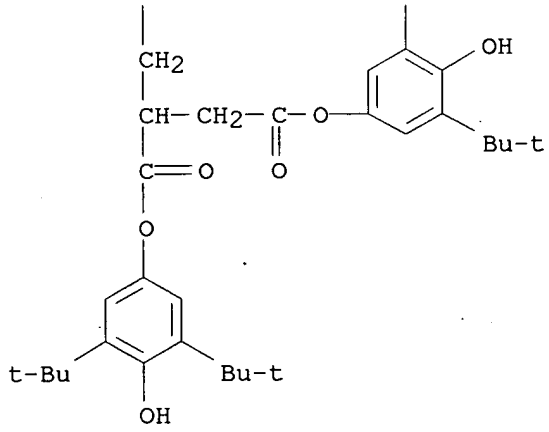
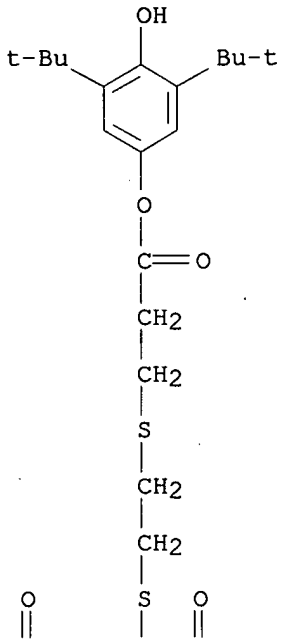


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, [[2-[(2-carboxyethyl)thio]ethyl]thio]-, tris(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C51 H74 O9 S2

PAGE 1-A



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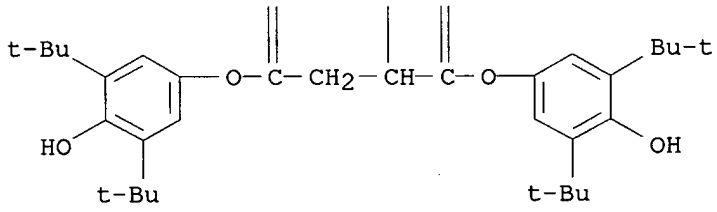
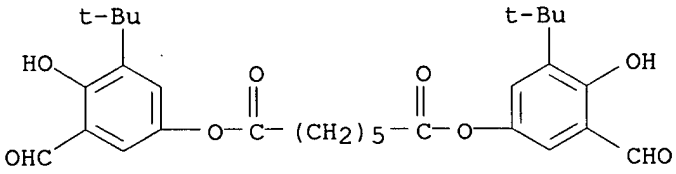


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

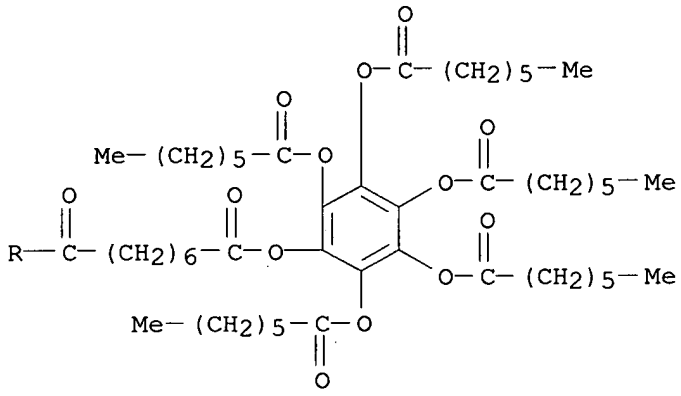
L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Heptanedioic acid, bis[3-(1,1-dimethylethyl)-5-formyl-4-hydroxyphenyl] ester (9CI)
MF C29 H36 O8



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Octanedioic acid, bis[pentakis[(1-oxoheptyl)oxy]phenyl] ester (9CI)
MF C90 H142 O24

PAGE 1-A



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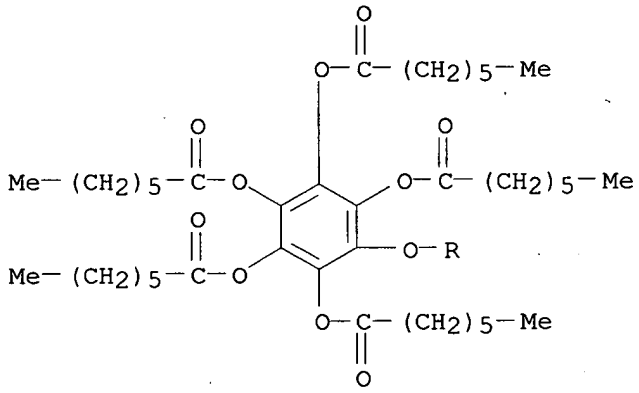
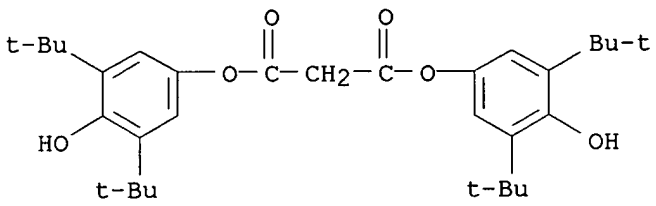


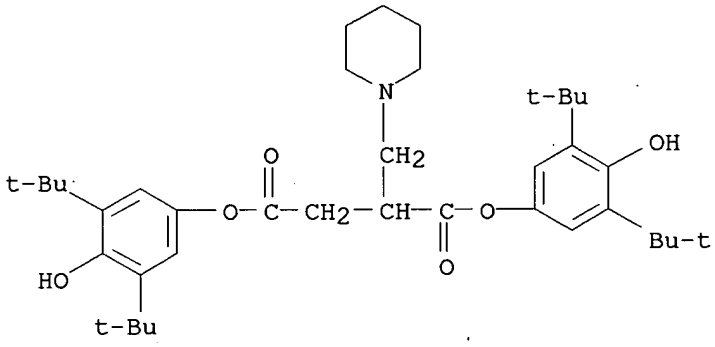
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Malonic acid, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C31 H44 O6



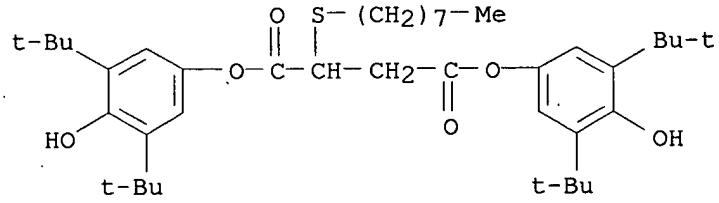
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, (piperidinomethyl)-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C38 H57 N O6



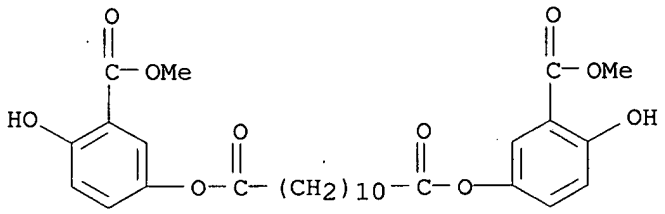
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, (octylthio)-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C40 H62 O6 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis[4-hydroxy-3-(methoxycarbonyl)phenyl] ester (9CI)
MF C28 H34 O10

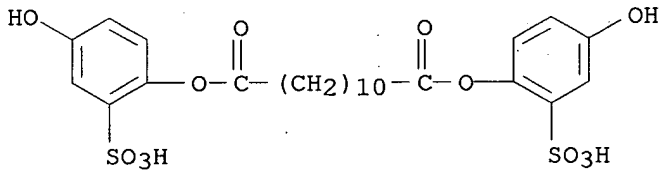


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Dodecanedioic acid, bis(4-hydroxy-2-sulfophenyl) ester, dipotassium salt, polymer with 1,4-benzenedicarbonyl dichloride (9CI)
MF (C24 H30 O12 S2 . C8 H4 Cl2 O2 . 2 K)x
CI PMS

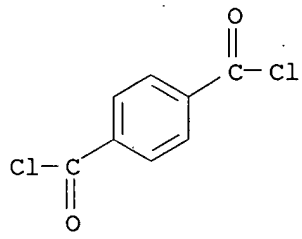
RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1

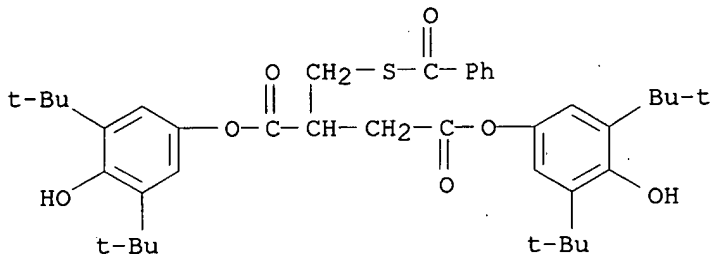


●2 K

CM 2

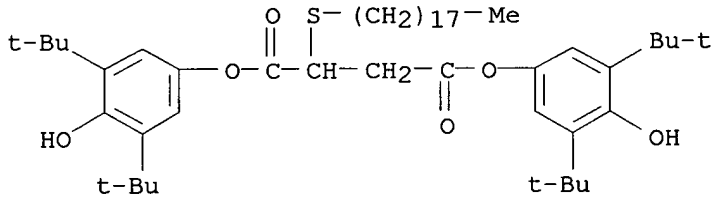


L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, (mercaptomethyl)-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester, 2-benzoate (8CI)
MF C40 H52 O7 S



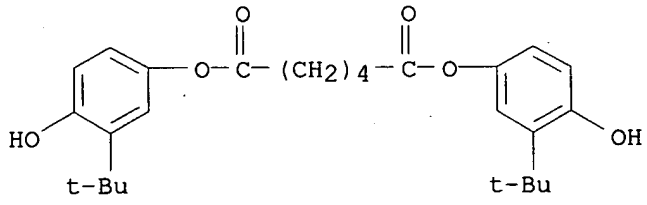
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Succinic acid, (octadecylthio)-, bis(3,5-di-tert-butyl-4-hydroxyphenyl) ester (8CI)
MF C50 H82 O6 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L41 81 ANSWERS REGISTRY COPYRIGHT 2003 ACS
IN Adipic acid, bis(3-tert-butyl-4-hydroxyphenyl) ester (7CI, 8CI)
MF C26 H34 O6



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	302.30	829.38

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-5.86

FILE 'CAPLUS' ENTERED AT 13:31:29 ON 04 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 4 Jun 2003 VOL 138 ISS 23
FILE LAST UPDATED: 3 Jun 2003 (20030603/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l41
L42 23 L41

=> d l42 1-23 ti

L42 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Ultra-low shrinkage composite resins based on blended nematic liquid crystal monomers

L42 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI A practical oligomeric [(salen)Co] catalyst for asymmetric epoxide ring-opening reactions

L42 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Highly active oligomeric (salen)Co catalysts for asymmetric epoxide ring-opening reactions

L42 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Melt supramolecular assembly of oligomers with regularly spaced, alternating hydrogen bonding and hydrophobic sites

L42 ANSWER 5 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Cooperative Asymmetric Catalysis with Dimeric Salen Complexes

L42 ANSWER 6 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Reversible thermal printing material giving high contrast images

L42 ANSWER 7 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Mesomorphic and dynamic properties of discotic alkanoyloxybenzene dimers as studied by X-ray and NMR: the effect of spacer length

L42 ANSWER 8 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Laminated pressure-sensitive recording sheets

L42 ANSWER 9 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Polymers for use as orienting materials in ferroelectric liquid crystal indicators

L42 ANSWER 10 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Carboxylate esters of hydroxyphenylalkanols as stabilizers for polymers and plastics

L42 ANSWER 11 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Acid-base-induced association of amino-terminated polystyrenes. 1. Linear chains and ring formation

L42 ANSWER 12 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Discotic twins

L42 ANSWER 13 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Effect of active-group position in polymeric interactions

L42 ANSWER 14 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Concentrated solution viscosities of polymeric associates

L42 ANSWER 15 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Heat-developable, light-sensitive material

L42 ANSWER 16 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Antioxidant 1-(4-hydroxy-3,5-di-tert-butylphenyl)alkanepolycarboxylates

L42 ANSWER 17 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Antioxidants for organic materials

L42 ANSWER 18 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Dithiophosphinate antioxidants and polymer stabilizers

L42 ANSWER 19 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Antioxidants for polymers

L42 ANSWER 20 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Antioxidants for polymers

L42 ANSWER 21 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Anti-oxidants for polymers

L42 ANSWER 22 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI p-Hydroxyphenyl alkanoates for polyolefins

L42 ANSWER 23 OF 23 CAPLUS COPYRIGHT 2003 ACS
TI Hydroquinone esters

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ANSWER SET L42 HAS BEEN SAVED AS 'SUBDARYLCORE/A'

=> save temp all bigmess/l
'BIGMESS/L' IN USE
A single name cannot be used for two saved items at the same time.
Enter "Y" if you wish to replace the current saved name with a new
definition.  Enter "N" if the current saved definition must be
preserved.  You may then reenter the SAVE command with a different
saved name.  Enter "DISPLAY SAVED" at an arrow prompt (=>) to see a
list of your currently defined saved names.
REPLACE OLD DEFINITION? Y/(N):y
L# LIST L1-L42 HAS BEEN SAVED AS 'BIGMESS/L'

=> d l42 10 ti fbib abs

L42  ANSWER 10 OF 23  CAPLUS  COPYRIGHT 2003 ACS
TI   Carboxylate esters of hydroxyphenylalkanols as stabilizers for polymers
     and plastics
AN   1994:269847  CAPLUS
DN   120:269847
TI   Carboxylate esters of hydroxyphenylalkanols as stabilizers for polymers
     and plastics
IN   Dubs, Paul; Pitteloud, Rita
PA   Ciba-Geigy A.-G., Switz.
SO   Brit. UK Pat. Appl., 59 pp.
     CODEN: BAXXDU
DT   Patent
LA   English
FAN.CNT 2
     PATENT NO.         KIND  DATE          APPLICATION NO.   DATE
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PI   GB 2264708         A1    19930908      GB 1993-3500      19930222
     GB 2264708         B2    19950927
                                            CH 1992-547       19920224
     BE 1006547         A5    19941011      BE 1993-154       19930218
                                            CH 1992-547       19920224
     BR 9300632         A     19930831      BR 1993-632       19930219
                                            CH 1992-547       19920224
     CA 2090082         AA    19930825      CA 1993-2090082   19930222
                                            CH 1992-547       19920224
     SE 9300579         A     19930825      SE 1993-579       19930222
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     AT 9300327         A     19971115      AT 1993-327       19930222
                                            CH 1992-547       19920224
     ZA 9301249         A     19930820      ZA 1993-1249      19930223
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     FR 2687667         A1    19930827      FR 1993-2037      19930223
     FR 2687667         B1    19960322
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     NL 9300336         A     19930916      NL 1993-336       19930223
                                            CH 1992-547       19920224
     CN 1077448         A     19931020      CN 1993-101955    19930223
                                            CH 1992-547       19920224
     ES 2060540         A1    19941116      ES 1993-354       19930223
     ES 2060540         B1    19960316
                                            CH 1992-547       19920224
     JP 06041009        A2    19940215      JP 1993-59686     19930224
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	US 5510402	A	19960423	CH 1992-547	19920224
				US 1993-158177	19931124
				CH 1992-547	19920224
				US 1993-18602	19930217
				US 1993-46044	19930412

PATENT FAMILY INFORMATION:

FAN 1994:163706

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 4305422	A1	19930826	DE 1993-4305422	19930222
				CH 1992-547	19920224
	BE 1006547	A5	19941011	BE 1993-154	19930218
				CH 1992-547	19920224
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	ZA 9301249	A	19930820	ZA 1993-1249	19930223
				CH 1992-547	19920224
	FR 2687667	A1	19930827	FR 1993-2037	19930223
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	JP 06041009	A2	19940215	JP 1993-59686	19930224
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	US 5510402	A	19960423	US 1993-158177	19931124
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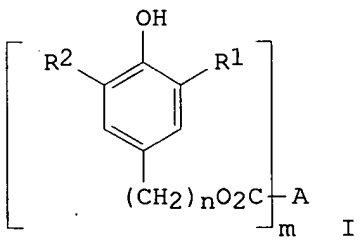
OS MARPAT 120:269847

GI



I

AB The title compds. [I; A = (un)substituted org. bridging group, direct bond, alkyl, etc.; R1, R2 = C1-24 alkyl, C5-C8-cycloalkyl; m = 1-4; n = 4-8], useful as antioxidants and thermal and UV light stabilizers for polymers and plastics, are prepd. Thus, 1,4-butanediol was condensed with

2-tert-butyl-6-methylphenol, producing 4-(3-tert-butyl-5-methyl-4-hydroxyphenyl)butanol, which was esterified with stearoyl chloride, producing stearate ester I (A = n-C17H35, R1 = Me, R2 = CMe3, m = 1, n = 4) in 93% yield.

```
=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    19.21     848.59

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -0.65      -6.51

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:37:04 ON 04 JUN 2003

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Welcome to STN International!  Enter x:x

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PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 13:48:58 ON 04 JUN 2003
FILE 'CAPLUS' ENTERED AT 13:48:58 ON 04 JUN 2003
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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    19.21     848.59

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
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CA SUBSCRIBER PRICE                                    -0.65      -6.51

=> d l42 23 ti fbib abs

L42  ANSWER 23 OF 23  CAPLUS  COPYRIGHT 2003 ACS
TI   Hydroquinone esters
AN   1965:51379  CAPLUS
DN   62:51379
OREF 62:9064f-h,9065a
TI   Hydroquinone esters
IN   Peterson, J. B.; Dexter, M.
PA   J. R. Geigy A.-G.
SO   27 pp.
DT   Patent
LA   Unavailable
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.  DATE
     ---------------   ----  --------      ---------------  --------
PI   BE 637444               19640316      BE
                                           US               19620917
```

FR 1375960 FR

GI For diagram(s), see printed CA Issue.

AB The title compds. (I) were prepd. by reaction of an acyl halide and hydroquinone. Thus, C5H5N 1.98 was added with stirring to 2,6-di-tert-butyl-1,4-hydroquinone 5.53 in C6H6 45, the mixt. heated to 45.degree., stearoyl chloride 7.58 added, and the whole heated 2.25 hrs. under N and worked up to yield I (R = tert-Bu, R1 = C17H35) 8.5 parts, m. 35-9.degree.. Similarly prepd. were the following compds. (m.p. given): 3,5-di-tert-butyl-4-hydroxyphenyl .beta.-(n-octadecylthio)propionate, 51.5-53.degree.; bis(3,5-di-tert-butyl-4-hydroxyphenyl) adipate, 157-9.degree.; bis(3,5-di-tert-butyl-4-hydroxyphenyl) sebacate, 98-100.degree.; bis-(3,5-di-tert-butyl-4-hydroxyphenyl) terephthalate, 269-72.5.degree.; bis(3,5-di-tert-butyl-4-hydroxyphenyl) 3,3'-thiodipropionate, 118-20.degree.; 3-tert-butyl-4-hydroxyphenyl .beta.-(n-octadecylthio)propionate, 58-60.degree.; bis(3-tert-butyl-4-hydroxyphenyl) adipate, 168-71.5.degree.; bis(3-tert-butyl-4-hydroxyphenyl) sebacate, 75-9.5.degree.; bis(3-tert-butyl-4-hydroxyphenyl) 3,3'-thiodipropionate; bis(3-tert-butyl-4-hydroxyphenyl) terephthalate, 259-65.degree. (decompn.); 3,5-di-tert-butyl-4-hydroxyphenyl laurate, --; 3,5-di-tert-butyl-4-hydroxyphenyl acetate, 86-9.degree.; 3,5-di-tert-butyl-4-hydroxyphenyl docosanoate, 59-61.5.degree.; and 3,5-di-tert-butyl-4-hydroxyphenyl .beta.-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate, 158-63.degree.. I were useful as stabilizers for polypropylene, polystyrene, and mineral oil in an amt. of 0.5% by wt. of the polymer.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	23.29	852.67

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.30	-7.16

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 13:51:05 ON 04 JUN 2003

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PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 14:01:47 ON 04 JUN 2003
FILE 'CAPLUS' ENTERED AT 14:01:47 ON 04 JUN 2003

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	23.29	852.67

```
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                     ENTRY    SESSION
CA SUBSCRIBER PRICE                                  -1.30      -7.16

=> d his

     (FILE 'HOME' ENTERED AT 12:11:33 ON 04 JUN 2003)

     FILE 'CAPLUS' ENTERED AT 12:11:40 ON 04 JUN 2003
L1        14020 SUPRAMOLECULAR
L2         1439 SALICYL
L3        77758 SALICYL?
L4           60 L1 AND L3
L5        23454 ?DIOIC
L6            0 L4 AND L5
L7         3722 ?DIOATE
L8            0 L4 AND L7

     FILE 'REGISTRY' ENTERED AT 12:20:47 ON 04 JUN 2003
L9                STRUCTURE UPLOADED
L10           0 SEARCH L9 SSS SAM
L11          13 SEARCH L9 SSS FULL

     FILE 'CAPLUS' ENTERED AT 12:22:49 ON 04 JUN 2003
L12           4 L11
                SAVE TEMP L12 GENERICCMPDS/A
L13      277335 POLYESTER
L14         550 L3(L)L13
L15           3 L5 AND L14

     FILE 'REGISTRY' ENTERED AT 12:28:08 ON 04 JUN 2003
                E 2,5-DIHYDROXYBENZOIC ACID/CN
L16           1 E3
                E 2,3-DIHYDROXYBENZOIC ACID/CN
L17           1 E3

     FILE 'CAPLUS' ENTERED AT 12:29:34 ON 04 JUN 2003
L18        2435 L16
L19        1043 L17
L20        3056 L18 OR L19
                SAVE TEMP L20 DIOHACIDS/A
L21          22 L13 AND L20
L22             STRUCTURE UPLOADED

     FILE 'REGISTRY' ENTERED AT 12:33:37 ON 04 JUN 2003
L23             STRUCTURE UPLOADED
L24          50 SEARCH L23 SSS SAM
L25      128497 SEARCH L23 SSS FULL

     FILE 'CAPLUS' ENTERED AT 12:34:46 ON 04 JUN 2003
L26       91631 L25
                SAVE TEMP L26 DIOICACIDS/A
L27          66 L20 AND L26
L28           0 L20(L)L26
L29           2 L13 AND L27
                SAVE TEMP ALL BIGMESS/L
                S 80576-83-6/REG#

     FILE 'REGISTRY' ENTERED AT 13:11:40 ON 04 JUN 2003
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L30             1 S 80576-83-6/RN

     FILE 'CAPLUS' ENTERED AT 13:11:40 ON 04 JUN 2003
L31           130 S L30

     FILE 'REGISTRY' ENTERED AT 13:17:28 ON 04 JUN 2003
L32               STRUCTURE UPLOADED
L33             0 SEARCH L32 SSS SAM
L34             3 SEARCH L32 SSS FULL

     FILE 'CAPLUS' ENTERED AT 13:18:40 ON 04 JUN 2003
L35             1 L34

     FILE 'REGISTRY' ENTERED AT 13:21:17 ON 04 JUN 2003
L36               STRUCTURE UPLOADED
L37             2 SEARCH L36 SSS SAM
L38           213 SEARCH L36 SSS FULL
                  SAVE TEMP L38 BAREBONESREG/A
L39               STRUCTURE UPLOADED
L40             0 SEARCH L39 SSS SAM
L41            81 SEARCH L39 SSS FULL

     FILE 'CAPLUS' ENTERED AT 13:31:29 ON 04 JUN 2003
L42            23 L41
                  SAVE TEMP L42 SUBDARYLCORE/A
                  SAVE TEMP ALL BIGMESS/L

=> l1 and l41
              23 L41
L43            1 L1 AND L41

=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                   25.38     854.76

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                   -1.30      -7.16

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 14:04:55 ON 04 JUN 2003

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Welcome to STN International!  Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1          Web Page URLs for STN Seminar Schedule - N. America
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NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 Jun 03 New e-mail delivery for search results now available
NEWS 4 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 7 Sep 03 JAPIO has been reloaded and enhanced
NEWS 8 Sep 16 Experimental properties added to the REGISTRY file
NEWS 9 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 10 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11 Oct 24 BEILSTEIN adds new search fields
NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13 Nov 18 DKILIT has been renamed APOLLIT
NEWS 14 Nov 25 More calculated properties added to REGISTRY
NEWS 15 Dec 04 CSA files on STN
NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17 Dec 17 TOXCENTER enhanced with additional content
NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20 Feb 13 CANCERLIT is no longer being updated
NEWS 21 Feb 24 METADEX enhancements
NEWS 22 Feb 24 PCTGEN now available on STN
NEWS 23 Feb 24 TEMA now available on STN
NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 25 Feb 26 PCTFULL now contains images
NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27 Mar 20 EVENTLINE will be removed from STN
NEWS 28 Mar 24 PATDPAFULL now available on STN
NEWS 29 Mar 24 Additional information for trade-named substances without structures available in REGISTRY
NEWS 30 Apr 11 Display formats in DGENE enhanced
NEWS 31 Apr 14 MEDLINE Reload
NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced
NEWS 33 Apr 21 Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 34 Apr 21 New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 35 Apr 28 RDISCLOSURE now available on STN
NEWS 36 May 05 Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded
NEWS 38 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39 May 16 CHEMREACT will be removed from STN
NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that

specific topic.

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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 06:21:38 ON 05 JUN 2003

=>
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'STNGUIDE' ENTERED AT 06:21:46 ON 05 JUN 2003
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: May 30, 2003 (20030530/UP).

=>

NAME	CREATED	NOTES/TITLE
ALKYLATIN/L	13 DEC 2001	9 L-NUMBERS
BAREBONESREG/A	TEMP	213 ANSWERS IN FILE REGISTRY
BIGMESS/L	TEMP	42 L-NUMBERS
DIOHACIDS/A	TEMP	3056 ANSWERS IN FILE CAPLUS
DIOICACIDS/A	TEMP	91631 ANSWERS IN FILE CAPLUS
ESTERODOR/L	05 SEP 2002	42 L-NUMBERS
GENERICCMPDS/A	TEMP	4 ANSWERS IN FILE CAPLUS
INDIUMCL3/A	30 MAY 2001	1 ANSWER IN FILE REGISTRY
LTWENTAUGFOR/A	04 AUG 2001	72 ANSWERS IN FILE CAPLUS
NEOTAMECRYST/A	24 APR 2001	59 ANSWERS IN FILE CAPLUS
NVLARMFULGEN/A	19 APR 2001	196 ANSWERS IN FILE REGISTRY
POHBENZALDEH/A	10 JUL 2001	5519 ANSWERS IN FILE CAPLUS
PROSTACMPD15/A	01 AUG 2001	34 ANSWERS IN FILE CAPLUS
STILLEAPP/L	07 JAN 2002	17 L-NUMBERS
SUBDARYLCORE/A	TEMP	23 ANSWERS IN FILE CAPLUS
SUBSTRATES/A	TEMP	3974 ANSWERS IN FILE CAPLUS
TWOAMINOPOLY/Q	16 APR 2001	UPLOADED STRUCTURE

=>
NO SAVED SDI REQUESTS

=>
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.12	0.33

FILE 'REGISTRY' ENTERED AT 06:22:47 ON 05 JUN 2003
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 4 JUN 2003 HIGHEST RN 525536-93-0
DICTIONARY FILE UPDATES: 4 JUN 2003 HIGHEST RN 525536-93-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
L1 STR
L2 213 SEA FILE=REGISTRY SSS FUL L1

=>
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 0.40 0.73

FILE 'STNGUIDE' ENTERED AT 06:22:49 ON 05 JUN 2003
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: May 30, 2003 (20030530/UP).

=>
L3 (14020) SEA FILE=CAPLUS ABB=ON PLU=ON SUPRAMOLECULAR
L4 (1439) SEA FILE=CAPLUS ABB=ON PLU=ON SALICYL
L5 (77758) SEA FILE=CAPLUS ABB=ON PLU=ON SALICYL?
L6 (60) SEA FILE=CAPLUS ABB=ON PLU=ON L3 AND L5
L7 (23454) SEA FILE=CAPLUS ABB=ON PLU=ON ?DIOIC
L8 (0) SEA FILE=CAPLUS ABB=ON PLU=ON L6 AND L7
L9 (3722) SEA FILE=CAPLUS ABB=ON PLU=ON ?DIOATE
L10 (0) SEA FILE=CAPLUS ABB=ON PLU=ON L6 AND L9
L11 STR
L12 (0) SEA FILE=REGISTRY SSS SAM L11
L13 (13) SEA FILE=REGISTRY SSS FUL L11
L14 (4) SEA FILE=CAPLUS ABB=ON PLU=ON L13
L15 (277335) SEA FILE=CAPLUS ABB=ON PLU=ON POLYESTER
L16 (550) SEA FILE=CAPLUS ABB=ON PLU=ON L5(L)L15
L17 (3) SEA FILE=CAPLUS ABB=ON PLU=ON L7 AND L16
L18 (1) SEA FILE=REGISTRY ABB=ON PLU=ON "2,5-DIHYDROXYBENZOIC ACID"/CN
L19 (1) SEA FILE=REGISTRY ABB=ON PLU=ON "2,3-DIHYDROXYBENZOIC ACID"/CN
L20 (2435) SEA FILE=CAPLUS ABB=ON PLU=ON L18
L21 (1043) SEA FILE=CAPLUS ABB=ON PLU=ON L19

```
L22 (      3056)SEA FILE=CAPLUS ABB=ON  PLU=ON  L20 OR L21
L23 (        22)SEA FILE=CAPLUS ABB=ON  PLU=ON  L15 AND L22
L24             STR
L25             STR
L26 (        50)SEA FILE=REGISTRY SSS SAM L25
L27 (    128497)SEA FILE=REGISTRY SSS FUL L25
L28 (     91631)SEA FILE=CAPLUS ABB=ON  PLU=ON  L27
L29 (        66)SEA FILE=CAPLUS ABB=ON  PLU=ON  L22 AND L28
L30 (         0)SEA FILE=CAPLUS ABB=ON  PLU=ON  L22(L)L28
L31 (         2)SEA FILE=CAPLUS ABB=ON  PLU=ON  L15 AND L29
L32 (         1)SEA FILE=REGISTRY ABB=ON  PLU=ON  80576-83-6/RN
L33 (       130)SEA FILE=CAPLUS ABB=ON  PLU=ON  L32
L34             STR
L35 (         0)SEA FILE=REGISTRY SSS SAM L34
L36 (         3)SEA FILE=REGISTRY SSS FUL L34
L37 (         1)SEA FILE=CAPLUS ABB=ON  PLU=ON  L36
L38             STR
L39 (         2)SEA FILE=REGISTRY SSS SAM L38
L40 (       213)SEA FILE=REGISTRY SSS FUL L38
L41             STR
L42 (         0)SEA FILE=REGISTRY SSS SAM L41
L43 (        81)SEA FILE=REGISTRY SSS FUL L41
L44 (        23)SEA FILE=CAPLUS ABB=ON  PLU=ON  L43

=>
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 0.06       0.79

FILE 'CAPLUS' ENTERED AT 06:22:50 ON 05 JUN 2003
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FILE COVERS 1907 - 5 Jun 2003  VOL 138 ISS 23
FILE LAST UPDATED: 4 Jun 2003  (20030604/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=>
L45 (         1)SEA FILE=REGISTRY ABB=ON  PLU=ON  "2,5-DIHYDROXYBENZOIC
ACID"/CN
L46 (         1)SEA FILE=REGISTRY ABB=ON  PLU=ON  "2,3-DIHYDROXYBENZOIC
ACID"/CN
L47 (      2435)SEA FILE=CAPLUS ABB=ON  PLU=ON  L45
L48 (      1043)SEA FILE=CAPLUS ABB=ON  PLU=ON  L46
```

```
L49         3056 SEA FILE=CAPLUS ABB=ON  PLU=ON  L47 OR L48

=>
L50              STR
L51 (     128497)SEA FILE=REGISTRY SSS FUL L50
L52        91631 SEA FILE=CAPLUS ABB=ON  PLU=ON  L51

=>
L53              STR
L54 (         81)SEA FILE=REGISTRY SSS FUL L53
L55           23 SEA FILE=CAPLUS ABB=ON  PLU=ON  L54

=> l3 and l49
           7329 SUPRAMOLECULAR
              1 SUPRAMOLECULARS
           7329 SUPRAMOLECULAR
                  (SUPRAMOLECULAR OR SUPRAMOLECULARS)
          11594 SUPRAMOL
            318 SUPRAMOLS
          11724 SUPRAMOL
                  (SUPRAMOL OR SUPRAMOLS)
          14022 SUPRAMOLECULAR
                  (SUPRAMOLECULAR OR SUPRAMOL)
L56           4 L3 AND L49

=> d l56 1-4 ti

L56  ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2003 ACS
TI   Engineering Crystalline Architecture with Supramolecular Tapes:
     Studies on Secondary Donor-Acceptor Interactions in Cocrystals of the
     Cyclic Dipeptide of Glycine

L56  ANSWER 2 OF 4  CAPLUS  COPYRIGHT 2003 ACS
TI   Ag+ labeling: a convenient new tool for the characterization of
     hydrogen-bonded supramolecular assemblies by MALDI-TOF mass
     spectrometry

L56  ANSWER 3 OF 4  CAPLUS  COPYRIGHT 2003 ACS
TI   Melt supramolecular assembly of oligomers with regularly spaced,
     alternating hydrogen bonding and hydrophobic sites

L56  ANSWER 4 OF 4  CAPLUS  COPYRIGHT 2003 ACS
TI   Methods for deposition of large molecules and formation of
     supramolecular structures


=> d l56 1-4 ti fbib abs

L56  ANSWER 1 OF 4  CAPLUS  COPYRIGHT 2003 ACS
TI   Engineering Crystalline Architecture with Supramolecular Tapes:
     Studies on Secondary Donor-Acceptor Interactions in Cocrystals of the
     Cyclic Dipeptide of Glycine
AN   2002:610809  CAPLUS
DN   137:295240
TI   Engineering Crystalline Architecture with Supramolecular Tapes:
     Studies on Secondary Donor-Acceptor Interactions in Cocrystals of the
     Cyclic Dipeptide of Glycine
AU   Luo, Tzy-Jiun M.; Palmore, G. Tayhas R.
CS   Division of Engineering, Brown University, Providence, RI, 02912, USA
```

SO Crystal Growth & Design (2002), 2(5), 337-350
CODEN: CGDEFU; ISSN: 1528-7483
PB American Chemical Society
DT Journal
LA English
AB In this study, the authors examine the noncovalent interactions that occur between the cyclic dipeptide of glycine (glycylglycine diketopiperazine: GLYDKP) and a carboxylic acid guest. This study complements the earlier studies done by the authors on the cyclic dipeptide of aspartic acid by exploring further the possibility of using hydrogen-bonded tapes comprised of mols. of GLYDKP, as a scaffold with which to control the location of guest mols. in a cryst. lattice. On the basis of the 11 cocrystals of GLYDKP reported herein, the authors conclude that guest mols. will be positioned between tapes of GLYDKP if the guest mols. meet the following criteria. First, the width of the guest mol. should be between 4.5 and 8.5 .ANG.. Second, interactions between adjacent guest mols. should be stronger than a van der Waals contact. Third, a hydrogen-bond donor (hydroxyl group) and a hydrogen-bond acceptor (carbonyl group) should be present in the structure of the guest with their sepn. no greater than two bonds between the carbon atom of the carbonyl group and the oxygen atom of the hydroxyl group. Fourth, the strength of interactions between mols. in the cocrystal should be of the following order: host-host > host-guest > guest-guest. This order ensures that the tape superstructure dictates the location of guest mols. in the host lattice.
RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L56 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS
TI Ag+ labeling: a convenient new tool for the characterization of hydrogen-bonded **supramolecular** assemblies by MALDI-TOF mass spectrometry
AN 2000:860581 CAPLUS
DN 134:200080
TI Ag+ labeling: a convenient new tool for the characterization of hydrogen-bonded **supramolecular** assemblies by MALDI-TOF mass spectrometry
AU Timmerman, Peter; Jolliffe, Katrina A.; Calama, Mercedes Crego; Weidmann, Jean-Luc; Prins, Leonard J.; Cardullo, Francesca; Snellink-Ruel, Bianca H. M.; Fokkens, Roel H.; Nibbering, Nico M. M.; Shinkai, Seiji; Reinhoudt, David N.
CS Laboratory of Supramolecular Chemistry and Technology MESA+ Research Institute, University of Twente, Enschede, 7500 AE, Neth.
SO Chemistry--A European Journal (2000), 6(22), 4104-4115
CODEN: CEUJED; ISSN: 0947-6539
PB Wiley-VCH Verlag GmbH
DT Journal
LA English
AB Herein the authors describe results on the characterization of a wide variety of different H-bonded assemblies by a novel matrix-assisted laser desorption ionization time-of-flight mass spectrometry (MALDI-TOF MS) technique with Ag+ labeling. The labeling technique with Ag+ ions is extremely mild and provides a nondestructive way to generate charged

assemblies that can be detected by mass spectrometry. Up to now >25 different single (13.cntdot.23), double (33.cntdot.26), and tetrarosettes (43.cntdot.212) were successfully characterized using this method. The success of the method entirely depends on the presence of a suitable binding site for the Ag+ ion. A variety of functionalities was identified
that provide strong binding sites for Ag+, either acting in a cooperative way (.pi.-arene and .pi.-alkene donor functionalities) or individually (cyano and crown ether functionalities). The method works well for assemblies with mol. wts. between 2000 and 8000 Da, and most likely far beyond this limit.
RE.CNT 114 THERE ARE 114 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L56 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS
TI Melt **supramolecular** assembly of oligomers with regularly spaced, alternating hydrogen bonding and hydrophobic sites
AN 1999:753790 CAPLUS
DN 132:123000
TI Melt **supramolecular** assembly of oligomers with regularly spaced, alternating hydrogen bonding and hydrophobic sites
AU Greener, Bryan; Rose, John
CS Smith & Nephew Group Research Centre, Heslington, York, YO10 5DF, UK
SO Chemical Communications (Cambridge) (1999), (23), 2361-2362
CODEN: CHCOFS; ISSN: 1359-7345
PB Royal Society of Chemistry
DT Journal
LA English
AB The melt condensation of 2,5-dihydroxybenzoic acid with dodecanedioyl dichloride resulted in oligomers with regularly spaced, multiple hydrogen bonding sites; fibers were drawn from melts at 150 .degree.C.
RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L56 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS
TI Methods for deposition of large molecules and formation of **supramolecular** structures
AN 1995:367661 CAPLUS
DN 122:148151
TI Methods for deposition of large molecules and formation of **supramolecular** structures
IN Morales, Pietro; Sperandei, Maria
PA Enea Ente per le Nuove Tecnologie, l'Energia e l'Ambiente, Italy
SO Eur. Pat. Appl., 11 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 632143	A1	19950104	EP 1994-830330	19940701
	EP 632143	B1	19971008		
	R: CH, DE, FR, GB, LI, NL, SE				
				IT 1993-RM432	19930702

AB A method is claimed for the deposition of **supramol**. systems, biomols. and, in general mols. of large size and/or complexity and/or lability, essentially comprising a combination of the following operations: vaporization, by electromagnetic radiation absorption or other

mechanisms, and ionization, induced by at least one short laser radiation pulse, of the above mols.; driving of the ionized mols. in an elec. field or by mean of masks; and deposition of the ionized mols. on the desired support. Horseradish peroxidase was deposited on a mica support by evapg.
a peroxidase-nicotinic acid soln. on a stainless steel support, placing the coated support in a vacuum, and driving the enzyme to the mica support
with a field of 400 V/cm. The sample was vaporized and ionized with laser
pulses at 266 nm, duration 8 ns, power d. .apprx.30 MV/cm2. The enzyme retained activity.

=> d l56 4 it

L56 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS
IT Cell
Nanomachines
Vapor deposition processes
(methods for deposition of large mols. and formation of **supramol**. structures)
IT Amino acids, miscellaneous
Antibodies
Deoxyribonucleic acids
Peptides, miscellaneous
Proteins, miscellaneous
Ribonucleic acids
RL: MSC (Miscellaneous)
(methods for deposition of large mols. and formation of **supramol**. structures)
IT Clusters
(**supramol**. structures; methods for deposition of large mols. and formation of **supramol**. structures)
IT Molecules
(biochem., methods for deposition of large mols. and formation of **supramol**. structures)
IT 59-67-6, Nicotinic acid, uses 98-97-5, Pyrazinecarboxylic acid 121-34-6, Vanillic acid 331-39-5, Caffeic acid **490-79-9**, 2,5-Dihydroxybenzoic acid 530-59-6, Sinapinic acid 1135-24-6, Ferulic acid 1321-11-5, Aminobenzoic acid 28166-41-8 99714-66-6
RL: NUU (Other use, unclassified); USES (Uses)
(laser radiation-absorbing matrix; methods for deposition of large mols. and formation of **supramol**. structures)
IT 73-22-3, Tryptophan, miscellaneous 9003-99-0, Peroxidase 13123-35-8, Tryptophyl-leucine 27072-45-3, Fluorescein isothiocyanate 80498-15-3, Laccase
RL: MSC (Miscellaneous)
(methods for deposition of large mols. and formation of **supramol**. structures)

=> d his

(FILE 'HOME' ENTERED AT 06:21:38 ON 05 JUN 2003)

FILE 'STNGUIDE' ENTERED AT 06:21:46 ON 05 JUN 2003

FILE 'REGISTRY' ENTERED AT 06:22:47 ON 05 JUN 2003

```
                ACT BAREBONESREG/A
                ---------
L1              STR
L2            213 SEA FILE=REGISTRY SSS FUL L1
                ---------

     FILE 'STNGUIDE' ENTERED AT 06:22:49 ON 05 JUN 2003
                ACT BIGMESS/L
                ---------
L3  (      14020)SEA FILE=CAPLUS ABB=ON  PLU=ON  SUPRAMOLECULAR
L4  (       1439)SEA FILE=CAPLUS ABB=ON  PLU=ON  SALICYL
L5  (      77758)SEA FILE=CAPLUS ABB=ON  PLU=ON  SALICYL?
L6  (         60)SEA FILE=CAPLUS ABB=ON  PLU=ON  L3 AND L5
L7  (      23454)SEA FILE=CAPLUS ABB=ON  PLU=ON  ?DIOIC
L8  (          0)SEA FILE=CAPLUS ABB=ON  PLU=ON  L6 AND L7
L9  (       3722)SEA FILE=CAPLUS ABB=ON  PLU=ON  ?DIOATE
L10 (          0)SEA FILE=CAPLUS ABB=ON  PLU=ON  L6 AND L9
L11             STR
L12 (          0)SEA FILE=REGISTRY SSS SAM L11
L13 (         13)SEA FILE=REGISTRY SSS FUL L11
L14 (          4)SEA FILE=CAPLUS ABB=ON  PLU=ON  L13
L15 (     277335)SEA FILE=CAPLUS ABB=ON  PLU=ON  POLYESTER
L16 (        550)SEA FILE=CAPLUS ABB=ON  PLU=ON  L5(L)L15
L17 (          3)SEA FILE=CAPLUS ABB=ON  PLU=ON  L7 AND L16
L18 (          1)SEA FILE=REGISTRY ABB=ON  PLU=ON  "2,5-DIHYDROXYBENZOIC
ACID"/C
L19 (          1)SEA FILE=REGISTRY ABB=ON  PLU=ON  "2,3-DIHYDROXYBENZOIC
ACID"/C
L20 (       2435)SEA FILE=CAPLUS ABB=ON  PLU=ON  L18
L21 (       1043)SEA FILE=CAPLUS ABB=ON  PLU=ON  L19
L22 (       3056)SEA FILE=CAPLUS ABB=ON  PLU=ON  L20 OR L21
L23 (         22)SEA FILE=CAPLUS ABB=ON  PLU=ON  L15 AND L22
L24             STR
L25             STR
L26 (         50)SEA FILE=REGISTRY SSS SAM L25
L27 (     128497)SEA FILE=REGISTRY SSS FUL L25
L28 (      91631)SEA FILE=CAPLUS ABB=ON  PLU=ON  L27
L29 (         66)SEA FILE=CAPLUS ABB=ON  PLU=ON  L22 AND L28
L30 (          0)SEA FILE=CAPLUS ABB=ON  PLU=ON  L22(L)L28
L31 (          2)SEA FILE=CAPLUS ABB=ON  PLU=ON  L15 AND L29
L32 (          1)SEA FILE=REGISTRY ABB=ON  PLU=ON  80576-83-6/RN
L33 (        130)SEA FILE=CAPLUS ABB=ON  PLU=ON  L32
L34             STR
L35 (          0)SEA FILE=REGISTRY SSS SAM L34
L36 (          3)SEA FILE=REGISTRY SSS FUL L34
L37 (          1)SEA FILE=CAPLUS ABB=ON  PLU=ON  L36
L38             STR
L39 (          2)SEA FILE=REGISTRY SSS SAM L38
L40 (        213)SEA FILE=REGISTRY SSS FUL L38
L41             STR
L42 (          0)SEA FILE=REGISTRY SSS SAM L41
L43 (         81)SEA FILE=REGISTRY SSS FUL L41
L44 (         23)SEA FILE=CAPLUS ABB=ON  PLU=ON  L43
                ---------

     FILE 'CAPLUS' ENTERED AT 06:22:50 ON 05 JUN 2003
                ACT DIOHACIDS/A
                ---------
L45 (          1)SEA FILE=REGISTRY ABB=ON  PLU=ON  "2,5-DIHYDROXYBENZOIC
ACID"/C
```

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L46 (         1)SEA FILE=REGISTRY ABB=ON  PLU=ON  "2,3-DIHYDROXYBENZOIC
ACID"/C
L47 (      2435)SEA FILE=CAPLUS ABB=ON  PLU=ON  L45
L48 (      1043)SEA FILE=CAPLUS ABB=ON  PLU=ON  L46
L49        3056 SEA FILE=CAPLUS ABB=ON  PLU=ON  L47 OR L48
               ---------
                ACT DIOICACIDS/A
               ---------
L50             STR
L51 (    128497)SEA FILE=REGISTRY SSS FUL L50
L52       91631 SEA FILE=CAPLUS ABB=ON  PLU=ON  L51
               ---------
                ACT SUBDARYLCORE/A
               ---------
L53             STR
L54 (        81)SEA FILE=REGISTRY SSS FUL L53
L55          23 SEA FILE=CAPLUS ABB=ON  PLU=ON  L54
               ---------
L56           4 L3 AND L49

=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    19.16      19.95

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -2.60      -2.60

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 06:31:47 ON 05 JUN 2003

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2


* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

 NEWS  1          Web Page URLs for STN Seminar Schedule - N. America
 NEWS  2          "Ask CAS" for self-help around the clock
 NEWS  3  Jun 03  New e-mail delivery for search results now available
 NEWS  4  Aug 08  PHARMAMarketLetter(PHARMAML) - new on STN
 NEWS  5  Aug 19  Aquatic Toxicity Information Retrieval (AQUIRE)
                  now available on STN
 NEWS  6  Aug 26  Sequence searching in REGISTRY enhanced
 NEWS  7  Sep 03  JAPIO has been reloaded and enhanced
 NEWS  8  Sep 16  Experimental properties added to the REGISTRY file
 NEWS  9  Sep 16  CA Section Thesaurus available in CAPLUS and CA
 NEWS 10  Oct 01  CASREACT Enriched with Reactions from 1907 to 1985
 NEWS 11  Oct 24  BEILSTEIN adds new search fields
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NEWS 12 Oct 24 Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13 Nov 18 DKILIT has been renamed APOLLIT
NEWS 14 Nov 25 More calculated properties added to REGISTRY
NEWS 15 Dec 04 CSA files on STN
NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17 Dec 17 TOXCENTER enhanced with additional content
NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20 Feb 13 CANCERLIT is no longer being updated
NEWS 21 Feb 24 METADEX enhancements
NEWS 22 Feb 24 PCTGEN now available on STN
NEWS 23 Feb 24 TEMA now available on STN
NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 25 Feb 26 PCTFULL now contains images
NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27 Mar 20 EVENTLINE will be removed from STN
NEWS 28 Mar 24 PATDPAFULL now available on STN
NEWS 29 Mar 24 Additional information for trade-named substances without structures available in REGISTRY
NEWS 30 Apr 11 Display formats in DGENE enhanced
NEWS 31 Apr 14 MEDLINE Reload
NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced
NEWS 33 Apr 21 Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 34 Apr 21 New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 35 Apr 28 RDISCLOSURE now available on STN
NEWS 36 May 05 Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded
NEWS 38 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39 May 16 CHEMREACT will be removed from STN
NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:44:04 ON 05 JUN 2003

```
=> e reg
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
The EXPAND command is used to look at the index in a file
which has an index.  This file does not have an index.

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

FILE 'REGISTRY' ENTERED AT 10:44:14 ON 05 JUN 2003
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STRUCTURE FILE UPDATES:    4 JUN 2003  HIGHEST RN 525536-93-0
DICTIONARY FILE UPDATES:   4 JUN 2003  HIGHEST RN 525536-93-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

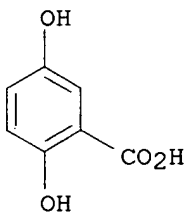
=> e 2,5-dihydroxybenzoic acid/cn
E1            1     2,5-DIHYDROXYBENZOHYDRAZIDE/CN
E2            1     2,5-DIHYDROXYBENZOHYDROXAMIC ACID/CN
E3            1 --> 2,5-DIHYDROXYBENZOIC ACID/CN
E4            1     2,5-DIHYDROXYBENZOIC ACID 5-.BETA.-D-GLUCOSIDE/CN
E5            1     2,5-DIHYDROXYBENZOIC ACID BUTYL ESTER/CN
E6            1     2,5-DIHYDROXYBENZOIC ACID DIACETATE/CN
E7            1     2,5-DIHYDROXYBENZOIC ACID DIPIVALATE/CN
E8            1     2,5-DIHYDROXYBENZOIC ACID DIPROPIONATE/CN
E9            1     2,5-DIHYDROXYBENZOIC ACID HYDRAZIDE/CN
E10           1     2,5-DIHYDROXYBENZOIC ACID METHYL ESTER/CN
E11           1     2,5-DIHYDROXYBENZOIC ACID RADICAL ANION/CN
E12           1     2,5-DIHYDROXYBENZOIC ACID RADICAL CATION/CN

=> e3
L1            1 "2,5-DIHYDROXYBENZOIC ACID"/CN

=> d l1

L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2003 ACS
RN   490-79-9  REGISTRY
CN   Benzoic acid, 2,5-dihydroxy- (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Gentisic acid (8CI)
OTHER NAMES:
```

CN **2,5-Dihydroxybenzoic acid**
CN 2,5-Dioxybenzoic acid
CN 3,6-Dihydroxybenzoic acid
CN 5-Hydroxysalicylic acid
CN Carboxyhydroquinone
CN Gensigen
CN Gensigon
CN Gentisinic acid
CN Hydroquinonecarboxylic acid
FS 3D CONCORD
MF C7 H6 O4
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,
BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, HODOC*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PROMT, RTECS*, SPECINFO, TOXCENTER, ULIDAT, USAN, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2422 REFERENCES IN FILE CA (1957 TO DATE)
57 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2429 REFERENCES IN FILE CAPLUS (1957 TO DATE)
12 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> e 2,3-dihydroxybenzoic acid/cn
E1 1 2,3-DIHYDROXYBENZOHYDROXAMIC ACID/CN
E2 1 2,3-DIHYDROXYBENZOHYDROXIMIC ACID/CN
E3 1 --> 2,3-DIHYDROXYBENZOIC ACID/CN
E4 1 2,3-DIHYDROXYBENZOIC ACID .BETA.-HYDROXYETHYLAMIDE/CN
E5 1 2,3-DIHYDROXYBENZOIC ACID DECARBOXYLASE/CN
E6 1 2,3-DIHYDROXYBENZOIC ACID DIACETATE/CN
E7 1 2,3-DIHYDROXYBENZOIC ACID METHYL ESTER/CN
E8 1 2,3-DIHYDROXYBENZOIC ACID POTASSIUM SALT/CN
E9 1 2,3-DIHYDROXYBENZOIC ACID-FORMALDEHYDE-1-NAPHTHOL COPOLYMER/
CN
E10 1 2,3-DIHYDROXYBENZOIC OXYGENASE/CN
E11 1 2,3-DIHYDROXYBENZONITRILE/CN

```
E12             1     2,3-DIHYDROXYBENZOPHENONE/CN

=> e3
L2              1 "2,3-DIHYDROXYBENZOIC ACID"/CN

=> d l2

L2   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2003 ACS
RN   303-38-8  REGISTRY
CN   Benzoic acid, 2,3-dihydroxy- (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   o-Pyrocatechuic acid (6CI, 8CI)
OTHER NAMES:
CN   2,3-Dihydroxybenzoic acid
CN   3-Hydroxysalicylic acid
CN   Catecholcarboxylic acid
CN   DHBA
CN   Pyrocatechuic acid
FS   3D CONCORD
MF   C7 H6 O4
CI   COM
LC   STN Files:   AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
       BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST,
       CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT,
       IFIUDB, IPA, MEDLINE, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PROMT,
       RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL
         (*File contains numerically searchable property data)
     Other Sources:   EINECS**
         (**Enter CHEMLIST File for up-to-date regulatory information)
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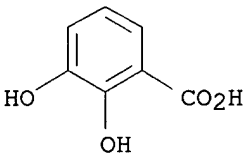


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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

            1034 REFERENCES IN FILE CA (1957 TO DATE)
              39 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
            1038 REFERENCES IN FILE CAPLUS (1957 TO DATE)
              56 REFERENCES IN FILE CAOLD (PRIOR TO 1967)


=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              12.60      12.81

FILE 'CAPLUS' ENTERED AT 10:45:30 ON 05 JUN 2003
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FILE COVERS 1907 - 5 Jun 2003 VOL 138 ISS 23
FILE LAST UPDATED: 4 Jun 2003 (20030604/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> l1
L3          2435 L1

=> l2
L4          1043 L2

=> l3 or l4
L5          3056 L3 OR L4

=> polyester
          223786 POLYESTER
          176583 POLYESTERS
L6        277379 POLYESTER
                 (POLYESTER OR POLYESTERS)

=> l5(l)l6
L7             7 L5(L)L6

=> d l7 1-7 ti

L7   ANSWER 1 OF 7  CAPLUS  COPYRIGHT 2003 ACS
TI   MALDI-TOF analysis of all-aromatic polyesters

L7   ANSWER 2 OF 7  CAPLUS  COPYRIGHT 2003 ACS
TI   Therapeutic polyesters and polyamides

L7   ANSWER 3 OF 7  CAPLUS  COPYRIGHT 2003 ACS
TI   Qualitative and quantitative end-group analysis of a small molecular
     weight polyester by matrix-assisted laser desorption/ionization
     time-of-flight mass spectrometry

L7   ANSWER 4 OF 7  CAPLUS  COPYRIGHT 2003 ACS
TI   Comparison of electrospray ionization mass spectrometry with
     matrix-assisted laser desorption ionization mass spectrometry and size
     exclusion chromatography for the characterization of polyester resins

L7   ANSWER 5 OF 7  CAPLUS  COPYRIGHT 2003 ACS
TI   Matrix-assisted laser desorption ionization time-of-flight mass
     spectrometry of synthetic polyesters

L7   ANSWER 6 OF 7  CAPLUS  COPYRIGHT 2003 ACS
TI   Dyeing of acid dye-dyeable polyester fibers. Part 3
```

L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS
TI Heat-stable polyesters

=> d l7 1-7 ti fbib abs

L7 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS
TI MALDI-TOF analysis of all-aromatic polyesters
AN 2003:222590 CAPLUS
DN 138:304792
TI MALDI-TOF analysis of all-aromatic polyesters
AU Hall, H. K., Jr.; Somogyi, Arpad; Bojkova, Nina; Padias, Anne B.; Elandaloussi, El Hadj
CS Chemistry Department, The University of Arizona, Tucson, AZ, 85721, USA
SO Polymeric Materials Science and Engineering (2003), 88, 139-140
CODEN: PMSEDG; ISSN: 0743-0515
PB American Chemical Society
DT Journal; (computer optical disk)
LA English
AB MALDI-TOF spectra of Vectra polyester, p-acetoxybenzoic acid-6-acetoxy-2-naphthoic acid copolymer (monomer ratio 73:27) were obtained using designed matrixes and based on prepd. well-defined oligomers using a Bruker Reflex III instrument. The best results to date were obtained for low MW copolymn. products (ca. 500-2,200 u) by depositing a dithranol matrix (dissolved in pentafluorophenol) on Parafilm followed by the deposition of the analyte soln. in pentafluorophenol. MALDI-TOF data are expected to provide information on the chain structure of the polyester.
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS
TI Therapeutic polyesters and polyamides
AN 2002:107167 CAPLUS
DN 136:156464
TI Therapeutic polyesters and polyamides
IN Uhrich, Kathryn E.
PA Rutgers, the State University of New Jersey, USA
SO PCT Int. Appl., 51 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002009768	A2	20020207	WO 2001-US23747	20010727
WO 2002009768	A3	20021107		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2000-220707PP 20000727

				US 2001-261337PP 20010112
US 2002071822	A1	20020613	US 2001-917194	20010727
			US 2000-220707PP	20000727
			US 2001-261337PP	20010112
EP 1309354	A2	20030514	EP 2001-956013	20010727
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
			US 2000-220707PP	20000727
			US 2001-261337PP	20010112
			WO 2001-US23747W	20010727

AB Polymers (i.e. polyesters, polyamides, and polythioesters or a mixt. thereof) which degrade hydrolytically into biol. active compds. are provided. Methods of producing these polymers, intermediates useful for prepg. these polymers, and methods of using these polymers to deliver biol. active compds. to a host are also provided. The biol. active compd.
is a non-steroidal anti-inflammatory drug, antibacterial, antifungal, anticancer, antithrombotic, immunosuppressant, or analgesic. For example,
morphine was copolymd. with a diacid chloride to provide a polyester.

L7 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS
TI Qualitative and quantitative end-group analysis of a small molecular weight polyester by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry
AN 2000:211282 CAPLUS
DN 132:335178
TI Qualitative and quantitative end-group analysis of a small molecular weight polyester by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry
AU Laine, Olli; Osterholm, Heidi; Jarvinen, Hannele; Wickstrom, Kim; Vainiotalo, Pirjo
CS Department of Chemistry, University of Joensuu, Joensuu, 80101, Finland
SO Rapid Communications in Mass Spectrometry (2000), 14(6), 482-495
CODEN: RCMSEF; ISSN: 0951-4198
PB John Wiley & Sons Ltd.
DT Journal
LA English
AB Matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) mass spectrometry was used for qual. and quant. end-group anal. of a small
mol. wt. polyester, poly(2-butyl-2-ethyl-1,3-propylene phthalate). The presence of carboxyl-terminated linear and cyclic polyester oligomers was confirmed with the help of simple sample prepn. methods. The presence of carboxyl end-groups in the polyester chains was verified through their formation of carboxylate salts with alkali metal cations. Cyclic oligomers were identified through deuterium exchange of the exchangeable protons of the polyester. Various inorg. salts were tested for salt formation of the carboxyl end-groups, but only the alkali metal salts proved effective. The influence of the alkali metal salts on the results of the quant. end-group anal. was also studied. The relative amts. of differently terminated and cyclic oligomers were calcd. when the alkali metal salts were used with different matrixes. The results showed that both the salts and the matrixes used in sample prepn. can have a marked effect on the quant. results of the end-group anal. The measurements were
carried out using 2,5-dihydroxybenzoic acid (DHB), 1,8,9-trihydroxyanthracene (dithranol), and 2-(4-hydroxyphenylazo)benzoic acid (HABA) as matrix compds. Dithranol and HABA repeatably exhibited similar

results, and these results differed from those obtained with DHB probably because of the different ionization mechanisms in the MALDI process.
RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT.

L7 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS
TI Comparison of electrospray ionization mass spectrometry with matrix-assisted laser desorption ionization mass spectrometry and size exclusion chromatography for the characterization of polyester resins
AN 1999:574961 CAPLUS
DN 131:299919
TI Comparison of electrospray ionization mass spectrometry with matrix-assisted laser desorption ionization mass spectrometry and size exclusion chromatography for the characterization of polyester resins
AU Hunt, Susan M.; Sheil, Margaret M.; Derrick, Peter J.
CS Department of Chemistry, University of Wollongong, Wollongong, 2522, Australia
SO European Mass Spectrometry (1998), 4(6), 475-486
CODEN: EMSPFW; ISSN: 1356-1049
PB IM Publications
DT Journal
LA English
AB A series of 17 trimethylolpropane-branched satd. polyester paint resins has been analyzed by electrospray ionization (ESI) and matrix-assisted laser desorption (MALDI) mass spectrometry to compare the structural and mol. wt. data derived from each technique. Optimization of sample prepn. and laser power were found to be important factors in obtaining const. mol. wt. distributions by MALDI. With ESI, we have shown previously that the voltage applied to the sampling cone (or orifice) has a major influence on the obsd. ion distributions. Using sampling cone voltages at which ion currents owing to the polymer were at a max., no.-av. (Mn) and wt.-av. (Mw) mol. wt. values estd. by ESI were similar to, or slightly higher than those detd. by MALDI. The use of size exclusion chromatog. (SEC) for fractionation of polyester samples prior to ESI or MALDI anal., however, showed that both techniques significantly underestimate the av. mol. wts. of the polyesters. This is consistent with other studies that have shown that ESI and MALDI are unsuitable for detg. mol. wts. of polydisperse polymers. Differences in the relative abundances of branched and cyclic species in ESI vs. MALDI mass spectra were also noted. These differences were accentuated in the data obtained for the SEC fractions which showed reduced sensitivity for branched species in ESI (esp. at higher masses) and some discrimination against masses <500 Da in MALDI. These data indicate that the different sample prepn. and/or ionization processes in MALDI and ESI may result in enhancement/suppression of closely related species to differing extents. Hence, where possible, it would be useful to employ both techniques to ensure complete characterization of complex polymer samples.
RE.CNT 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS
TI Matrix-assisted laser desorption ionization time-of-flight mass spectrometry of synthetic polyesters
AN 1995:685605 CAPLUS
DN 123:57171
TI Matrix-assisted laser desorption ionization time-of-flight mass spectrometry of synthetic polyesters

AU Blais, J. C.; Tessier, M.; Bolbach, G.; Remaud, B.; Rozes, L.; Guittard, J.; Brunot, A.; Marechal, E.; Tabet, J. C.
CS Lab. Chimie Structurale Org. Biol., Univ. Pierre Marie Curie, Paris, F-75252, Fr.
SO International Journal of Mass Spectrometry and Ion Processes (1995), 144(1/2), 131-8
CODEN: IJMPDN; ISSN: 0168-1176
PB Elsevier
DT Journal
LA English
AB The anal. of aliph. and arom. polyesters by matrix-assisted laser desorption-ionization time-of-flight mass spectrometry (MALDI-TOF-MS) using 2,5-dihydroxybenzoic acid and tert-3-indoleacrylic acid as matrixes was reported. Broad asym. distributions of linear oligomer related peaks (protonated and cationized mols.) were obsd. with both matrixes. Peaks corresponding to cyclic oligomers were obsd. for the aliph. polyester. The oligomer mol.-wt. distribution derived from MALDI spectra exhibits a certain variability with both laser fluence and matrix material. This effect probably originates from difference solubilities of the various oligomers. In addn., for those polycondensates which are characterized by a very broad distribution with a tail in the high mass range, a discrimination against the higher mass oligomers is likely to exist; the agreement between the av. mol. wts. detd. by MALDI and size exclusion chromatog. is not as good as for poly(ethylene glycol) or poly(Me methacrylate).

L7 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS
TI Dyeing of acid dye-dyeable polyester fibers. Part 3
AN 1979:188399 CAPLUS
DN 90:188399
TI Dyeing of acid dye-dyeable polyester fibers. Part 3
AU Nishikawa, Akifumi; Miyashita, Setsuo; Hayashi, Shotaro
CS Fukui Prefect. Text. Eng. Res. Inst., Fukui, Japan
SO Kenkyu Hokoku - Fukui-ken Sen'i Kogyo Shikenjo (1977), 22, 21-33
CODEN: FSKHDJ
DT Journal
LA Japanese
AB Acid dye-treated polyester fibers, with improved dye absorption, were prepd. by dyeing amine-modified fibers with a liquor contg. an acid dye, 2 g/L butyl p-hydroxybenzoate (I) [94-26-8], and 1 mL/L H3PO4 at 120.degree. for 60 min. On dyeing amine-modified polyester fibers with a liquor contg. an acid dye and 0.5-5 g/L I or salicylic acid (II) [69-72-7], the absorption of dyes by the fibers increased with increasing I or II concn.

L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS
TI Heat-stable polyesters
AN 1965:481348 CAPLUS
DN 63:81348
OREF 63:15056e-g
TI Heat-stable polyesters
IN Tamblyn, John W.; Bell, Alan; Kibler, Charles J.
PA Eastman Kodak Co.
SO 12 pp.
DT Patent
LA Unavailable
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 1001943		19650818	GB	
				US	19610307
	US 3227680		1966	US	

AB Hydroquinones contg. ester-forming groups, such as gentisic acid (I), derivs. of I, and 2,5-dihydroxyterephthalic acid (II), are chem. combined with linear polyesters to give new polyesters. Thus, a mixt. of 19.4 g. di-Me terephthalate (III), 17.2 g. 1,4-cyclohexanedimethanol (IV), 0.154 g. I, and 0.1 ml. (iso-PrO)4-Ti in BuOH (4.8% Ti) is heated 1 hr. at 200-50.degree., heated at 290-300.degree., and evacuated 5 min. to give a prepolymer. The prepolymer is ground and polymerized for 3 hrs. at 280.degree. and 0.08 mm. in the solid state to give a polyester (V), inherent viscosity (60:40 PhOH:C2H2Cl4) 0.95. III (19.4 g.) is treated with 17.2 g. IV and 0.196 g. 2,5-(HO)2C6H3CO2Pr (VI) to give a polyester contg. one geritisic group/100 terephthalic groups. Similarly prepd. are [reactants, molar ratio, and inherent viscosity of the product given]: III, 1,3-C6H4(CO2Me)2 (VII), IV, I, 0.08:0.02:0.13:0.003, 0.93; III, IV, II, 0.1:0.12:0.001, 086; III, IV, II, 0.10:0.14:0.02, 0.76; III, IV, 2,5-bis[4-(hydroxymethyl)cyclohexylmethoxy] hydroquinone, 0.10:0.12:0.002, 0.90; III, VII, IV, I, 0.083:0.017:0.12:0.001, 0.70; III, [MeO2C(CH2)3]2CH2, VI, 0.075:0.025:0.001, 0.96; III, VII, HOCH2CH2OH, I, 0.075:0.025:0.20:0.001, -; (p-BuO2CC6H4)2SO2, HO(CH2)5OH, VI, 0.1:0.15:0.002, -. A mixt. of III 0.083, VII 0.017, and IV 0.012 mole is polymerized to give a polyester, inherent viscosity 0.72. V is compression molded to give a film, and the film is heated in air 15 hrs. at 185.degree. to give a viscosity breakdown of 4% as compared with 48% for the control.

```
=> e regfile reg
E1            1     REGFE/BI
E2            1     REGFENERATION/BI
E3            0 --> REGFILE REG/BI
E4            1     REGFION/BI
E5            1     REGFOR1/BI
E6            2     REGFP/BI
E7            2     REGFR/BI
E8            1     REGFRGPRF3/BI
E9            2     REGFS/BI
E10           8     REGG/BI
E11           4     REGGAMMA/BI
E12           2     REGGAN/BI

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    23.68      36.49

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -4.56      -4.56

FILE 'REGISTRY' ENTERED AT 10:49:57 ON 05 JUN 2003
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```

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STRUCTURE FILE UPDATES: 4 JUN 2003 HIGHEST RN 525536-93-0
DICTIONARY FILE UPDATES: 4 JUN 2003 HIGHEST RN 525536-93-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

```
=> e adipiic acid
E1        9229     ADIPIC/BI
E2           4     ADIPICA/BI
E3           0 --> ADIPIIC ACID/BI
E4          19     ADIPIMID/BI
E5          18     ADIPIMIDATE/BI
E6           9     ADIPIMIDE/BI
E7          30     ADIPIMIDIC/BI
E8           1     ADIPIMIDINE/BI
E9           5     ADIPIMIDO/BI
E10          4     ADIPIMIDOYL/BI
E11          2     ADIPIMIDOYLDI/BI
E12          8     ADIPIN/BI

=> e adipiic acid/cn
E1           1     ADIPIC-D8 ACID, METHYL ESTER/CN
E2           1     ADIPIC-D8 ACID-D2/CN
E3           0 --> ADIPIIC ACID/CN
E4           1     ADIPIMIDE/CN
E5           1     ADIPIMIDE, N-(2-(BENZYLOXY)ETHYL)2-/CN
E6           1     ADIPIMIDE, N-PHENETHYL-/CN
E7           1     ADIPIMIDE, OXIME/CN
E8           1     ADIPIMIDE, POLYMERS/CN
E9           1     ADIPIMIDE, SODIUM SALT/CN
E10          1     ADIPIMIDIC ACID, DIBENZYL ESTER/CN
E11          1     ADIPIMIDIC ACID, DIBENZYL ESTER, DIHYDROCHLORIDE/CN
E12          1     ADIPIMIDIC ACID, DIBUTYL ESTER/CN

=> e adipic acid/cn
E1           1     ADIPIC ACI-1,4-CYCLOHEXANEDICARBOXYLIC ACID-DESMODUR N
3300-
                   HEXAHYDROPHTHALIC ANHYDRIDE-NEOPENTYL GLYCOL-ISOPHTHALIC
ACI
                   D-TRIMETHYLOLPROPANE COPOLYMER/CN
E2           1     ADIPIC ACI-ADIPIC ACID HEXAMETHYLENEDIAMINE
SALT-ISOPHTHALIC
                    ACID HEXAMETHYLENEDIAMINE SALT COPOLYMER/CN
E3           1 --> ADIPIC ACID/CN
E4           1     ADIPIC ACID 1,4-BUTANEDIAMINE SALT HOMOPOLYMER/CN
E5           1     ADIPIC ACID 1,4-BUTANEDIOL-BUTYL ACRYLATE-BUTYL
METHACRYLATE
```

```
                    -HYDROXYPROPYL METHACRYLATE-MALEIC ANHYDRIDE-METHACRYLIC
ACI
                    D-METHYL METHACRYLATE COPOLYMER/CN
E6            1     ADIPIC ACID
1,4-BUTANEDIOL-N,N'-DIMETHYLHYDRAZINE-ISOPROPYLI
                    DENE DICYCLOHEXYL-4,4'-DIISOCYANATE/CN
E7            1     ADIPIC ACID 2,2-BIS(4-AMINOCYCLOHEXYL)PROPANE SALT/CN
E8            1     ADIPIC ACID 2,2-BIS(4-AMINOCYCLOHEXYL)PROPANE SALT
POLYMER/C
                    N
E9            1     ADIPIC ACID 2,2-BIS(4-AMINOCYCLOHEXYL)PROPANE SALT
POLYMER,
                    SRU/CN
E10           1     ADIPIC ACID 2,5-DIMETHYLHEXAMETHYLENEDIAMINE SALT/CN
E11           1     ADIPIC ACID 2-METHYLIMIDAZOLE SALT (1:1)/CN
E12           1     ADIPIC ACID 2-PHENYLIMIDAZOLINE SALT (1:1)/CN

=> e3
L8            1 "ADIPIC ACID"/CN

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     4.62      41.11

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -4.56

FILE 'CAPLUS' ENTERED AT 10:50:27 ON 05 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)
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FILE COVERS 1907 - 5 Jun 2003  VOL 138 ISS 23
FILE LAST UPDATED: 4 Jun 2003  (20030604/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> l8
L9         11452 L8

=> d his

     (FILE 'HOME' ENTERED AT 10:44:04 ON 05 JUN 2003)
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     FILE 'REGISTRY' ENTERED AT 10:44:14 ON 05 JUN 2003
                E 2,5-DIHYDROXYBENZOIC ACID/CN
L1              1 E3
                E 2,3-DIHYDROXYBENZOIC ACID/CN
L2              1 E3

     FILE 'CAPLUS' ENTERED AT 10:45:30 ON 05 JUN 2003
L3           2435 L1
L4           1043 L2
L5           3056 L3 OR L4
L6         277379 POLYESTER
L7              7 L5(L)L6
                E REGFILE REG

     FILE 'REGISTRY' ENTERED AT 10:49:57 ON 05 JUN 2003
                E ADIPIIC ACID
                E ADIPIIC ACID/CN
                E ADIPIC ACID/CN
L8              1 E3

     FILE 'CAPLUS' ENTERED AT 10:50:27 ON 05 JUN 2003
L9          11452 L8

=> l5 and l9
L10           31 L5 AND L9

=> l5(l)l9
L11            0 L5(L)L9

=> d l10 21-31 ti

L10  ANSWER 21 OF 31  CAPLUS  COPYRIGHT 2003 ACS
TI   The influence of the structure of reagents on their effectiveness as
     dispersants for cassiterite suspensions

L10  ANSWER 22 OF 31  CAPLUS  COPYRIGHT 2003 ACS
TI   Metabolic profiles of urinary organic acids recovered from absorbent
     filter paper

L10  ANSWER 23 OF 31  CAPLUS  COPYRIGHT 2003 ACS
TI   Identification of metabolites diagnostic for organic acidurias by
     simultaneous dual-column capillary gas chromatography

L10  ANSWER 24 OF 31  CAPLUS  COPYRIGHT 2003 ACS
TI   Isolation and identification of the phenolic acids of tobacco smoke

L10  ANSWER 25 OF 31  CAPLUS  COPYRIGHT 2003 ACS
TI   Nutritional diversity of Rhizobiaceae revealed by auxanography

L10  ANSWER 26 OF 31  CAPLUS  COPYRIGHT 2003 ACS
TI   Electrolytic capacitor

L10  ANSWER 27 OF 31  CAPLUS  COPYRIGHT 2003 ACS
TI   The identification of aliphatic acids by thermal reaction analysis

L10  ANSWER 28 OF 31  CAPLUS  COPYRIGHT 2003 ACS
TI   Microscopic identification of organic materials according to L. Kofler.
V
```

L10 ANSWER 29 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Extracting capacity of various solvents

L10 ANSWER 30 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI A gas-liquid-chromatographic procedure for separating a wide range of metabolites occurring in urine or tissue extracts

L10 ANSWER 31 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Chromatographic study of the principal organic acids

=> d l10 1-20 ti

L10 ANSWER 1 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Controlled release compositions containing opioids and polymers

L10 ANSWER 2 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Controlled release pharmaceutical compositions containing polymers

L10 ANSWER 3 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Controlled release solid dispersions containing carvedilol

L10 ANSWER 4 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Thermal bleeding of metal components in film laminates by carboxylic acids

L10 ANSWER 5 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Identification of potential fermentation inhibitors in conversion of hybrid poplar hydrolyzate to ethanol

L10 ANSWER 6 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI On-Capillary Ion-Exchange Preconcentration of Inorganic Anions in Open-Tubular Capillary Electrochromatography with Elution Using Transient-Isotachophoretic Gradients. 2. Characterization of the Isotachophoretic Gradient

L10 ANSWER 7 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Modification of the taste and physicochemical properties of neotame using hydrophobic acid additives

L10 ANSWER 8 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Surface regeneration of biosensors using a combination of solutions based on interaction-specific optimized processes

L10 ANSWER 9 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Direct matrix-assisted laser desorption/ionization mass spectrometric analysis of glycosphingolipids on thin layer chromatographic plates and transfer membranes

L10 ANSWER 10 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Ion-selective electrode and method for selective determination of analytes
in body fluids

L10 ANSWER 11 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Degradation of BTEX and their aerobic metabolites by indigenous microorganisms under nitrate reducing conditions

L10 ANSWER 12 OF 31 CAPLUS COPYRIGHT 2003 ACS

TI color developing agent for silver halide photographic material

L10 ANSWER 13 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Compact gas chromatography used with thin-layer chromatography for assessment of abnormalities of organic acids

L10 ANSWER 14 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Mechanism of allergic cross-reactions. I. Multispecific binding of ligands to a mouse monoclonal anti-DNP IgE antibody

L10 ANSWER 15 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Cosubstrate binding site of Pseudomonas sp. AK1 .gamma.-butyrobetaine hydroxylase. Interactions with structural analogs of .alpha.-ketoglutarate

L10 ANSWER 16 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Trace analysis as TBDMS (tert-butyldimethylsilyl) derivatives of organic acids in aqueous samples

L10 ANSWER 17 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Urinary organic acids: retention indexes on two capillary gas chromatography columns

L10 ANSWER 18 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Neoplasm inhibitors comprising metal salts and phenol derivatives

L10 ANSWER 19 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Metabolic profiling of urinary organic acids by single and multicolumn capillary gas chromatography

L10 ANSWER 20 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Solid-phase extraction with strong anion-exchange columns for selective isolation and concentration of urinary organic acids

=> d l10 1,2 ti fbib abs

L10 ANSWER 1 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Controlled release compositions containing opioids and polymers
AN 2003:242150 CAPLUS
DN 138:276257
TI Controlled release compositions containing opioids and polymers
IN Fischer, Gina; Bar-Shalom, Daniel; Slot, Lillian; Jensen, Christine
PA Egalet A/S, Den.
SO PCT Int. Appl., 66 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003024430	A1	20030327	WO 2002-DK619	20020923

W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DK 2001-1376 A 20010921

AB A pharmaceutical compn. for controlled release of an active substance. The active substance is released into an aq. medium by erosion of at least one surface of the compn. The compn. comprises a matrix contg. polymer or a mixt. of polymers, an active substance and, optionally, 1 or more excipients, and a coating. A zero order drug release is desirable. The matrix typically comprises PEG and the active substance is typically an opioid such as morphine or a glucuronide. The coating comprises a first cellulose deriv. which is substantially insol. in the aq. medium and at least 1 of a second cellulose deriv. which is sol. or dispersible in water, a plasticizer, and, a filler. A compn. was prepd. from the following ingredients: PEG-200,000 83.5, and morphine sulfate 16.5% by wt. The coating and the matrix were prepd. as described above. The compn. was 9 mm long and had elliptic formed surfaces. Morphine sulfate (96.65%) was released in 8 h.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 31 CAPLUS COPYRIGHT 2003 ACS
TI Controlled release pharmaceutical compositions containing polymers
AN 2003:242149 CAPLUS
DN 138:276256
TI Controlled release pharmaceutical compositions containing polymers
IN Fischer, Gina; Bar-Shalom, Daniel; Slot, Lillian; Lademann, Anne-Marie; Jensen, Christine
PA Egalet A/S, Den.
SO PCT Int. Appl., 105 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003024429	A1	20030327	WO 2002-DK620	20020923

W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DK 2001-1377 A 20010921
DK 2002-1044 A 20020703

PATENT FAMILY INFORMATION:
FAN 2003:242148

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

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PI   WO 2003024426     A1   20030327       WO 2002-DK621    20020923
         W:  AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES,
             FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
             KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
             MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK,
             SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
             ZW, AM, AZ, BY
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
             CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
             PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
             NE, SN, TD, TG
                                          DK 2001-1375   A 20010921
                                          DK 2001-1611   A 20011031
                                          DK 2002-1044   A 20020703
AB   A method for controlling the release of at least one therapeutically,
     prophylactically and/or diagnostically active substance into an aq.
medium
     by erosion of at least one surface of a pharmaceutical compn. The method
     comprises adjusting the concn. and/or the nature of the ingredients
making
     up the matrix compn. in such a manner so as to obtain an approx.
     zero-order release of the drug from the pharmaceutical compn. when
subject
     to an in vitro dissoln. test as described herein. The compn. comprises a
     matrix compn. contg. a polymer or a mixt. of polymers that may be
     substantially water sol. and/or cryst., an active substance and,
     optionally, one or more pharmaceutically acceptable excipients, and a
     coating. Typical polymers are PEG. The coating comprises a first
     cellulose deriv. which is substantially insol. in the aq. medium, and at
     least one of a second cellulose deriv. which is sol. or dispersible in
     water, a plasticizer, and a filler. The active ingredient may be
     carvedilol. Stable solid dispersions of active substances having low
     water soly. are also disclosed. Thus, a compn. contained PEG 64.6,
     carvedilol 30, and citric acid 5.4% by wt.
RE.CNT  7     THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> d l10 18 ti fbib abs

L10  ANSWER 18 OF 31  CAPLUS  COPYRIGHT 2003 ACS
TI   Neoplasm inhibitors comprising metal salts and phenol derivatives
AN   1989:417704  CAPLUS
DN   111:17704
TI   Neoplasm inhibitors comprising metal salts and phenol derivatives
IN   Jordan, Russell T.; Allen, Larry M.
PA   Chemex Pharmaceuticals, Inc., USA
SO   PCT Int. Appl., 131 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE          APPLICATION NO.  DATE
     ---------------   ----  --------      ---------------  --------
PI   WO 8803805         A1   19880602      WO 1986-US2547   19861119
         W:  AU, DK, FI, JP, KP, KR, NO, SU
         RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE
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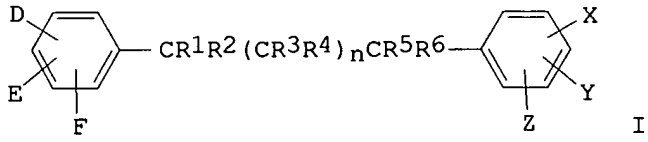
AU 8767794	A1	19880616	AU 1987-67794	19861119
			WO 1986-US2547	19861119
EP 290442	A1	19881117	EP 1987-900420	19861119
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
			WO 1986-US2547	19861119
JP 01501791	T2	19890622	JP 1987-500359	19861119
			WO 1986-US2547	19861119
AU 9168662	A1	19910314	AU 1991-68662	19910104
			WO 1986-US2547	19861119

OS MARPAT 111:17704
GI



I

AB Antitumor compns. comprise a metal salt and the phenols I [D, E, F, X, Y, Z = H, OH, (un)substituted alkoxy or acyloxy; R1-R6 = H, (un)substituted alkyl or alkoxy, etc.; n = 0, 1-5; the phenolic groups may be joined by CH2, CH2CH2, HOP(O), R7OP(O); R7 = alkyl; either of the 2 benzene rings may be replaced by cyclohexyl, naphthyl, tetrahydronaphthyl, pyridyl, piperinyl, quinolinyl, indanyl or indenyl; any R4-R6 may be joined with the benzene carbons to form rings]. The metal salts are of Zn, Cr(III), Y, Co(II), Co(III), Ni, Mg, Al, Cu(I), Cu(II), Fe(III), Cd, Sb, Hg, Rb, V, or rare earth metals. 1-(3,4-Dimethoxyphenyl)-4-(2,3,4-trimethoxyphenyl)butane (prepn. given) was refluxed with HBr under N for 9 h to give 1-(3,4-dihydroxyphenyl)-4-(2,3,4-trihydroxyphenyl)butane (II). Intratumor administration of II together with ZnCl2 enhanced the survival time and decreased tumor incidence in mice with transplanted human breast adenocarcinoma. An ointment contained ZnCl2 10.0, a catecholic butane 5.0, PEG-400 4.2, PEG-8000 61.7, water 19.0 and ascorbic acid 0. mg by wt.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	28.56	69.67

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.95	-6.51

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 10:58:50 ON 05 JUN 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

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LOGINID:ssspta1623paz

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 11:32:50 ON 05 JUN 2003
FILE 'CAPLUS' ENTERED AT 11:32:50 ON 05 JUN 2003
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    28.56      69.67

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -1.95      -6.51

=> d his

     (FILE 'HOME' ENTERED AT 10:44:04 ON 05 JUN 2003)

     FILE 'REGISTRY' ENTERED AT 10:44:14 ON 05 JUN 2003
                E 2,5-DIHYDROXYBENZOIC ACID/CN
L1            1 E3
                E 2,3-DIHYDROXYBENZOIC ACID/CN
L2            1 E3

     FILE 'CAPLUS' ENTERED AT 10:45:30 ON 05 JUN 2003
L3         2435 L1
L4         1043 L2
L5         3056 L3 OR L4
L6       277379 POLYESTER
L7            7 L5(L)L6
                E REGFILE REG

     FILE 'REGISTRY' ENTERED AT 10:49:57 ON 05 JUN 2003
                E ADIPIIC ACID
                E ADIPIIC ACID/CN
                E ADIPIC ACID/CN
L8            1 E3

     FILE 'CAPLUS' ENTERED AT 10:50:27 ON 05 JUN 2003
L9        11452 L8
L10          31 L5 AND L9
L11           0 L5(L)L9

=> diacid
          5590 DIACID
          2289 DIACIDS
L12       7306 DIACID
                 (DIACID OR DIACIDS)

=> l12 and l5
L13          2 L12 AND L5

=> d l13 1-2 ti

L13  ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2003 ACS
TI   Therapeutic polyesters and polyamides
```

```
L13  ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2003 ACS
TI   Isolation of immunoglobulins


=> dihydroxbenzoic
L14          1 DIHYDROXBENZOIC

=> dihydroxybenzoic
L15       3758 DIHYDROXYBENZOIC

=> l12(l)l15
L16          2 L12(L)L15

=> l16 not l13
L17          2 L16 NOT L13

=> d l17 1-2 ti

L17  ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2003 ACS
TI   A new macrocyclic diacid with balanced conformational flexibility and
     preorganization

L17  ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2003 ACS
TI   Acceleration of hemiacetal cleavage through hydrogen bonding:  a new
     synthetic catalyst with balanced conformational flexibility and
     preorganization


=> d l17 1-2 ti fbib abs

L17  ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2003 ACS
TI   A new macrocyclic diacid with balanced conformational flexibility and
     preorganization
AN   1993:124506  CAPLUS
DN   118:124506
TI   A new macrocyclic diacid with balanced conformational flexibility and
     preorganization
AU   Gennari, Cesare; Molinari, Francesco; Bartoletti, Marcella; Potenza,
     Donatella
CS   Dip. Chim. Org. Ind., Univ. Milano, Milan, I-20133, Italy
SO   Gazzetta Chimica Italiana (1992), 122(8), 279-82
     CODEN: GCITA9; ISSN: 0016-5603
DT   Journal
LA   English
OS   CASREACT 118:124506
GI
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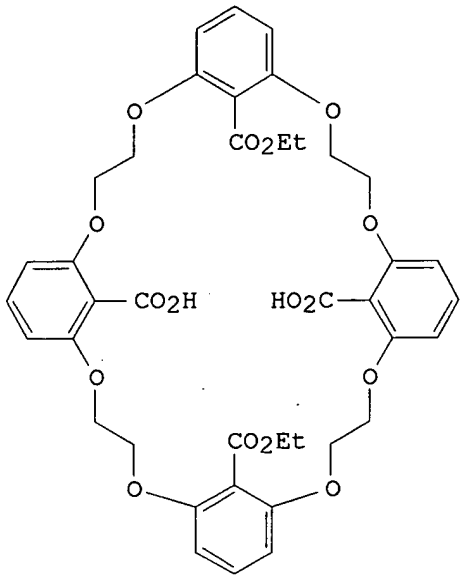
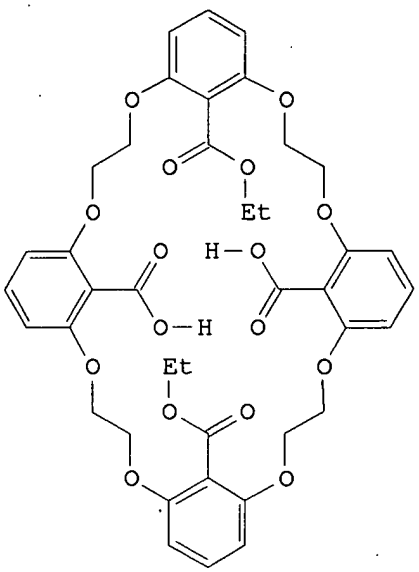


I

AB Macrocyclic **diacid** I (di-tert-Bu tetrabenzoctaoxacyclotetracosin tetracarboxylate) was designed and synthesized as an effective catalyst for hemiacetal cleavage. Mol. modeling studies (using Clark Still's Macro Model) show that I has many accessible low energy conformations with various degrees of carboxyl group convergence. A straightforward synthesis of I was developed (overall yield ca. 19-20%) starting from com. available 2,6-**dihydroxybenzoic** acid. In the key-step, a Cs2CO3-mediated reaction under high diln. and slow addn. gave the 28-membered ring of I as the only non-polymeric product in 45% yield. The dissocn. consts. of **diacid** I in a 1:1 H2O/MeOH mixt. were measured. I was a catalyst for glycoladehyde dimer dissocn. and for mutarotation of tetramethylglucose.

L17 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS
TI Acceleration of hemiacetal cleavage through hydrogen bonding: a new synthetic catalyst with balanced conformational flexibility and preorganization
AN 1991:246650 CAPLUS
DN 114:246650
TI Acceleration of hemiacetal cleavage through hydrogen bonding: a new synthetic catalyst with balanced conformational flexibility and preorganization
AU Gennari, Cesare; Molinari, Francesco; Bartoletti, Marcella; Piarulli, Umberto; Potenza, Donatella
CS Dip. Chim. Org. Ind., Univ. Milano, Milan, 20133, Italy
SO Journal of Organic Chemistry (1991), 56(10), 3201-3
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English
OS CASREACT 114:246650
GI



I

AB Hemiacetal cleavage catalyst (I) was designed, synthesized, and shown to be effective in promoting glycolaldehyde dimer (II) dissocn. and tetramethylglucose mutarotation. Mol. modeling studies (using Clark Still's MacroModel) show that I has many accessible low energy conformations with various degrees of carboxyl group convergence. A straightforward synthesis of I was developed (overall yield ca. 19-20%) starting from com. available 2,6-**dihydroxybenzoic** acid. In the key-step, Cs2CO3 mediated reaction under high diln. and slow addn. conditions gave the 28-membered ring of I as the only nonpolymeric product in 45% yield. **Diacid** I is a quite effective catalyst for II dissocn.: a 0.0125 mM:5 mM catalyst:substrate ratio (1:400) is enough to convert the dimer to the monomer (25% completion) within 2.5 h. Comparisons were made with the uncatalyzed reaction, and with other catalysts described in the work of J. Rebek and coworkers (1988). For example, the rate acceleration is remarkably higher than that imparted by benzoic acid (ca. 5-6 times faster with 80 times less catalyst). **Diacid** I is about 10 times more efficient than 2-pyridone and 5 times more efficient than benzoic acid as catalyst for tetramethylglucose mutarotation in benzene. Mechanisms for binding and catalysis were proposed and briefly discussed. Although the rate accelerations reported are rather small, these data show that catalyst I is relatively substrate insensitive, which is an important feature for the development of reaction-tailored catalysts compared to substrate-tailored ones.

```
=> succinic acid
        52738 SUCCINIC
      3649935 ACID
      1384055 ACIDS
      4110606 ACID
                (ACID OR ACIDS)
L18     32114 SUCCINIC ACID
```

(SUCCINIC(W)ACID)

=> l5 and l18
L19 59 L5 AND L18

=> polymer
899637 POLYMER
760272 POLYMERS
L20 1227210 POLYMER
(POLYMER OR POLYMERS)

=> l19 and l20
L21 10 L19 AND L20

=> d l21 1-10 ti

L21 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Controlled release compositions containing opioids and **polymers**

L21 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Controlled release pharmaceutical compositions containing **polymers**

L21 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Controlled release solid dispersions containing carvedilol

L21 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Integrated wine quality sensor

L21 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Weed growth-inhibiting formulations containing nonselective organophosphorus herbicides

L21 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Infrared-matrix-assisted laser desorption/ionization and infrared-laser desorption/ ionization investigations of synthetic **polymers**

L21 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Investigations of 2,5-DHB and **succinic acid** as matrixes for IR and UV MALDI. Part I: UV and IR laser ablation in the MALDI process

L21 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Matrix-assisted laser desorption ionization mass spectrometry of proteins electroblotted after polyacrylamide gel electrophoresis

L21 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Simple bioassay for antioxidants based on protection of Tetrahymena pyriformis from the photodynamic toxicity of benzo-(a)pyrene

L21 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI A survey of effects of chemicals on division and growth of yeast and Escherichia coli

=> d l21 3,7 ti fbib abs

L21 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Controlled release solid dispersions containing carvedilol
AN 2003:242148 CAPLUS

DN 138:276255
TI Controlled release solid dispersions containing carvedilol
IN Fischer, Gina; Bar-Shalom, Daniel; Slot, Lillian; Lademann, Anne-Marie; Jensen, Christine
PA Egalet A/S, Den.
SO PCT Int. Appl., 110 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003024426	A1	20030327	WO 2002-DK621	20020923

W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DK 2001-1375 A 20010921
DK 2001-1611 A 20011031
DK 2002-1044 A 20020703

PATENT FAMILY INFORMATION:
FAN 2003:242149

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003024429	A1	20030327	WO 2002-DK620	20020923

W: AE, AG, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DK 2001-1377 A 20010921
DK 2002-1044 A 20020703

AB A controlled release pharmaceutical compn. for oral use comprises a solid dispersion of at least one therapeutical agent and/or diagnostic substance, which at least partially is in an amorphous form, a **polymer** that has plasticizing properties, and optionally, a stabilizing agent, the at least one active substance having a limited water soly., and the compn. being designed to release the active substance with a substantially zero order release. The **polymer** is typically a polyethylene glycol and/or polyethylene oxide having a mol. wt. of at least about 20,000 in cryst. and/or amorphous form or a mixt. of such **polymers**, and the active substance is typically carvedilol. The compn. may comprise a coated matrix, the coating comprising a first cellulose deriv. which is substantially insol. in the aq. medium, and at

least one of a second cellulose deriv. which is sol. or dispersible in water, a plasticizer, and a filler. Thus, a compn. contained PEG 64.6, carvedilol 30, and citric acid 5.4% by wt. The dissoln. profile corresponded to a zero-order release of carvedilol from the compn.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2003 ACS
TI Investigations of 2,5-DHB and **succinic acid** as matrixes for IR and UV MALDI. Part I: UV and IR laser ablation in the MALDI process
AN 1998:136667 CAPLUS
DN 128:254874
TI Investigations of 2,5-DHB and **succinic acid** as matrixes for IR and UV MALDI. Part I: UV and IR laser ablation in the MALDI process
AU Kampmeier, Jurgen; Dreisewerd, Klaus; Schurenberg, Martin; Strupat, Kerstin
CS Inst. Med. Phys. Biophys., Univ. Munster, Munster, 48149, Germany
SO International Journal of Mass Spectrometry and Ion Processes (1997), 169/170, 31-41
CODEN: IJMPDN; ISSN: 0168-1176
PB Elsevier Science B.V.
DT Journal
LA English
AB UV and IR laser ablation under MALDI conditions is described for two typical solid UV and IR matrixes. 2,5-Dihydroxybenzoic acid (2,5-DHB) as a UV and IR matrix and **succinic acid** (SA) as an IR matrix were investigated systematically by light and electron microscopy, and by mass spectrometry. Large single crystals of 2,5-DHB and SA with and without protein incorporation were used for the expts. The UV MALDI expts. were performed with a flat-top laser beam profile. Within a limited fluence range, these exposures resulted in the formation of typical cone structures, occurring after several hundred laser shots onto a given spot. Such structures had originally been described for materials processing of **polymers** and ceramics with excimer lasers. For the IR exposures, a Gaussian laser beam profile was used. The much lower absorption of matrix compds. at IR wavelengths compared with the absorption of matrix compds. at UV wavelengths results in a much larger penetration depth of the IR laser light into the matrix solid and consequently in a much higher ablation depth and amt. of ablated material.
This large vol. of material, ablated per single exposure, prevents the formation of sp. surface structures in IR MALDI. The amt. of matrix material ablated per laser shot was measured with a laser profilometer to about 10,000 .mu.m3. This dets. the amt. of consumed protein per laser shot to about 1 fmol under typical IR MALDI conditions.

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> glutaric acid
        11276 GLUTARIC
            1 GLUTARICS
        11276 GLUTARIC
                (GLUTARIC OR GLUTARICS)
      3649935 ACID
      1384055 ACIDS
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       4110606 ACID
                 (ACID OR ACIDS)
L22       8659 GLUTARIC ACID
                 (GLUTARIC(W)ACID)

=> d his

     (FILE 'HOME' ENTERED AT 10:44:04 ON 05 JUN 2003)

     FILE 'REGISTRY' ENTERED AT 10:44:14 ON 05 JUN 2003
                 E 2,5-DIHYDROXYBENZOIC ACID/CN
L1             1 E3
                 E 2,3-DIHYDROXYBENZOIC ACID/CN
L2             1 E3

     FILE 'CAPLUS' ENTERED AT 10:45:30 ON 05 JUN 2003
L3          2435 L1
L4          1043 L2
L5          3056 L3 OR L4
L6        277379 POLYESTER
L7             7 L5(L)L6
                 E REGFILE REG

     FILE 'REGISTRY' ENTERED AT 10:49:57 ON 05 JUN 2003
                 E ADIPIIC ACID
                 E ADIPIIC ACID/CN
                 E ADIPIC ACID/CN
L8             1 E3

     FILE 'CAPLUS' ENTERED AT 10:50:27 ON 05 JUN 2003
L9         11452 L8
L10           31 L5 AND L9
L11            0 L5(L)L9
L12         7306 DIACID
L13            2 L12 AND L5
L14            1 DIHYDROXBENZOIC
L15         3758 DIHYDROXYBENZOIC
L16            2 L12(L)L15
L17            2 L16 NOT L13
L18        32114 SUCCINIC ACID
L19           59 L5 AND L18
L20      1227210 POLYMER
L21           10 L19 AND L20
L22         8659 GLUTARIC ACID

=> l5 and l22
L23           19 L5 AND L22

=> d l23 10-19 ti

L23  ANSWER 10 OF 19  CAPLUS  COPYRIGHT 2003 ACS
TI   Cosubstrate binding site of Pseudomonas sp. AK1 .gamma.-butyrobetaine
     hydroxylase.  Interactions with structural analogs of .alpha.-
     ketoglutarate

L23  ANSWER 11 OF 19  CAPLUS  COPYRIGHT 2003 ACS
TI   Electrolytic solution for capacitor with reduced leak current

L23  ANSWER 12 OF 19  CAPLUS  COPYRIGHT 2003 ACS
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TI Urinary organic acids: retention indexes on two capillary gas chromatography columns

L23 ANSWER 13 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Metabolic profiling of urinary organic acids by single and multicolumn capillary gas chromatography

L23 ANSWER 14 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Phosphorus-31 NMR spectroscopic analysis of coal pyrolysis condensates and
extracts for heteroatom functionalities possessing labile hydrogen

L23 ANSWER 15 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Solid-phase extraction with strong anion-exchange columns for selective isolation and concentration of urinary organic acids

L23 ANSWER 16 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI A gas-liquid-chromatographic procedure for separating a wide range of metabolites occurring in urine or tissue extracts

L23 ANSWER 17 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Rauwolfia alkaloids. XXXI. The synthesis and activity of some reserpine analogs

L23 ANSWER 18 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Chromatographic study of the principal organic acids

L23 ANSWER 19 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Paper chromatography of alkali and alkaline earth cations

=> d l23 10 ti fbib abs

L23 ANSWER 10 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Cosubstrate binding site of Pseudomonas sp. AK1 .gamma.-butyrobetaine hydroxylase. Interactions with structural analogs of .alpha.-ketoglutarate
AN 1991:159783 CAPLUS
DN 114:159783
TI Cosubstrate binding site of Pseudomonas sp. AK1 .gamma.-butyrobetaine hydroxylase. Interactions with structural analogs of .alpha.-ketoglutarate
AU Ng, Sze Fong; Hanauske-Abel, Hartmut M.; Englard, Sasha
CS Dep. Biochem., Albert Einstein Coll. Med., Bronx, NY, 10461, USA
SO Journal of Biological Chemistry (1991), 266(3), 1526-33
CODEN: JBCHA3; ISSN: 0021-9258
DT Journal
LA English
AB Forty-one arom. and aliph. analogs of .alpha.-ketoglutarate were studied kinetically for their interaction with the .alpha.-ketoglutarate binding site of .gamma.-butyrobetaine hydroxylase obtained from Pseudomonas species AK1. Together, the compds. represent structural permutations probing the contribution of: (1) the C5 carboxyl group of .alpha.-ketoglutarate (domain I): the C1-C2 keto acid moiety of .alpha.-ketoglutarate (domain II): (3) the distance between domains I and II: and (4) the spatial relationship of the two domains required for optimal interaction with the cosubstrate binding site. All compds. were competitive inhibitors for .alpha.-ketoglutarate (Km 0.018 mM). Functionally, two subsites of the cosubstrate binding site were evident:

subsite I for polar interaction with the C5 carboxyl group, and subsite II, comprising of two distinct cis-oriented coordination sites of the catalytic ferrous ion which interact with the C1-C2 keto acid moiety. The most efficient inhibitors were pyridine 2,4-dicarboxylate (Ki 0.0002 mM) and 3,4-dihydroxybenzoate (Ki 0.0006 mM). Both compds. contain a carboxyl group and a chelating moiety corresponding to domains I and II of .alpha.-ketoglutarate, resp. The fixed orientation of these groups in both analogs was used to assess intersubsite distance and spatial relationship required for optimal interaction with the cosubstrate binding site. Binding at subsite I and chelation at subsite II were indispensible for effective competitive inhibition. The distance between these two domains also helped det. whether attachment at the cosubstrate binding site would be catalytically productive. This was emphasized by the failure of either oxaloacetate or .alpha.-ketoadipinate to promote hydroxylation. Optimal interdomain distance, however, was not sufficient for cosubstrate utilization, as pyridine 2,4-dicarboxylate, with an interdomain distance identical to .alpha.-ketoglutarate in its staggered conformation, did not sustain hydroxylation. Overall, these studies suggest that .alpha.-ketoglutarate utilization occurs in a ligand reaction at the active site ferrous ion of .gamma.-butyrobetaine hydroxylase. This is of particular interest since the delineated stereochem. mode of oxidative decarboxylation could generate the reactive oxo-iron species that was shown exptl. to promote .gamma.-butyrobetaine hydroxylation by an abstraction-recombination mechanism.

=> d l23 1-9 ti

L23 ANSWER 1 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Controlled release compositions containing opioids and polymers

L23 ANSWER 2 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Controlled release pharmaceutical compositions containing polymers

L23 ANSWER 3 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Controlled release solid dispersions containing carvedilol

L23 ANSWER 4 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Surface regeneration of biosensors using a combination of solutions based on interaction-specific optimized processes

L23 ANSWER 5 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Identification of Rhodococcus, Gordona and Dietzia species using carbon source utilization tests ("Biotype-100" strips)

L23 ANSWER 6 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Ability of Biolog and Biotype-100 systems to reveal the taxonomic diversity of the pseudomonads

L23 ANSWER 7 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Determination of organic acids in soil extracts by ion chromatography

L23 ANSWER 8 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Acids in chicory roots and malt. Part 1. Identification in roasted products and method of determination

L23 ANSWER 9 OF 19 CAPLUS COPYRIGHT 2003 ACS
TI Compact gas chromatography used with thin-layer chromatography for assessment of abnormalities of organic acids

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	79.25	120.36

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-5.21	-9.77

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:45:18 ON 05 JUN 2003